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Vol. XX

JUNE, 1910

No. 1

BULLETIN
OF THE
**POLYTECHNIC
COLLEGE**

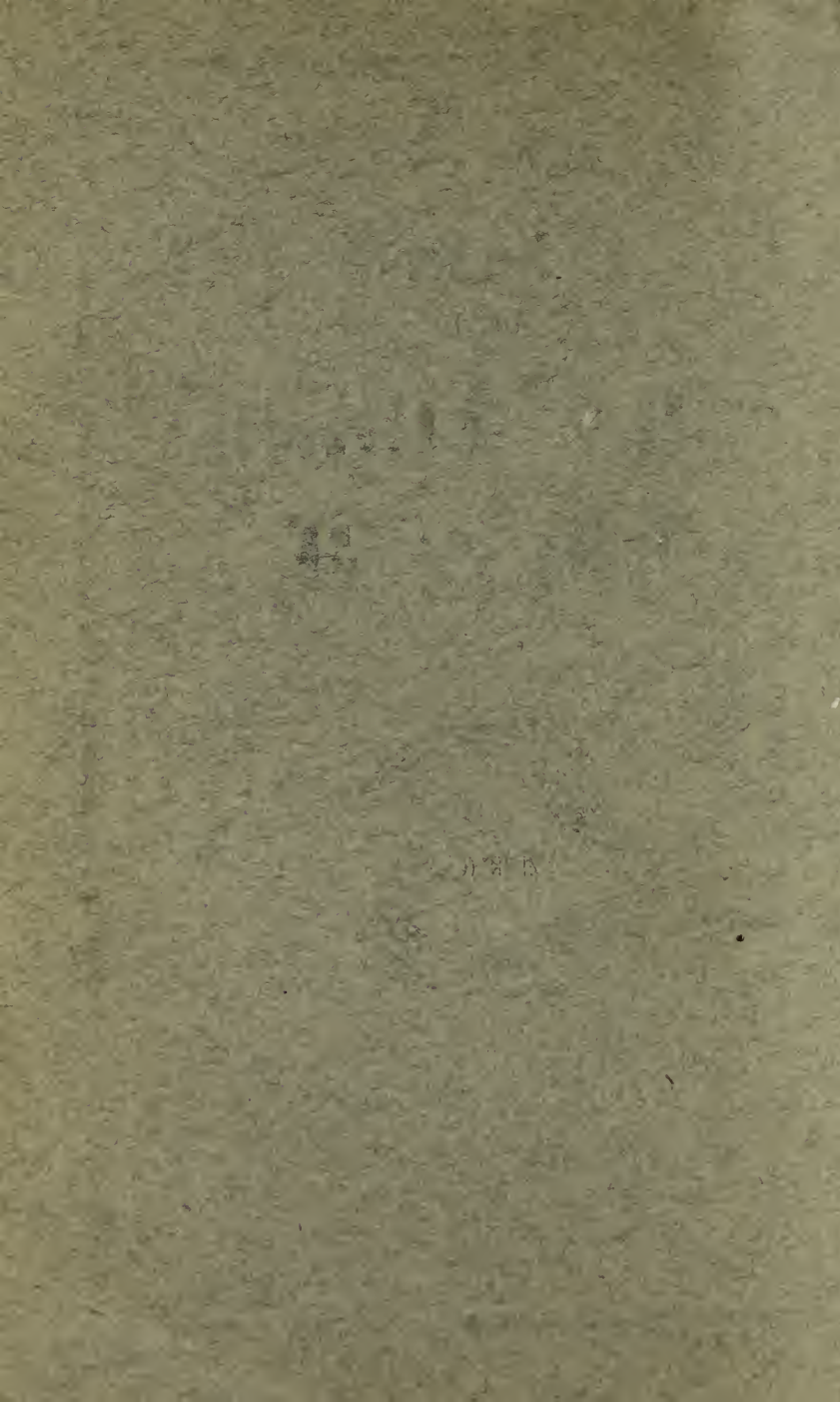
FORT WORTH, TEXAS



ANNOUNCEMENT FOR 1910-1911
REGISTER FOR 1909-1910

ISSUED QUARTERLY BY THE POLYTECHNIC COLLEGE

ENTERED AT POSTOFFICE, FORT WORTH, TEXAS, AS SECOND-CLASS MATTER



ANNOUNCEMENTS

OF

Polytechnic College

For 1910-1911

REGISTER

For 1909-1910

FORT WORTH, TEXAS
PRINTED FOR THE POLYTECHNIC COLLEGE
1910



COLLEGE CALENDAR

1910

SEPTEMBER	5, 7,	{ Monday-Wed'day	{ Entrance Examinations. Registration.
SEPTEMBER	7,	Wednesday	First Term Work Begins.
SEPTEMBER	8,	Thursday	Philosophian Open Session.
SEPTEMBER	10,	Saturday	Adkissonian Open Session.
SEPTEMBER	17,	Saturday	Y. M. C. A. Reception.
SEPTEMBER	24,	Saturday	Susan M. Key Open Session.
NOVEMBER	19,	Saturday	Korosophian Open Session.
NOVEMBER	24,	Thursday	Thanksgiving. A holiday.
DECEMBER TO JANUARY	24, 2,	{ Saturday Monday	{ Christmas Vacation.

1911

JANUARY	2,	Monday	Preliminary for Inter-Collegiate Debate.
JANUARY	7,	Saturday	Philosophian Open Session.
JANUARY	16,	{ Monday	{ First Term Examinations.
JANUARY	21,	{ Saturday	{ Entrance Examinations.
JANUARY	23,	{ Monday-Tuesday	{ Registration.
JANUARY	25,	Tuesday	Second Term Work Begins.
FEBRUARY	11,	Saturday	Adkissonian Anniversary.
FEBRUARY	22,	{ Wednesday	{ Senior Class Day Oratorical Contest } A holiday.
MARCH	4,	Saturday	Susan M. Key Reading Contest.
MARCH	18,	Saturday	Korosophian Reading Contest.
APRIL	1,	Saturday	Adkissonian New Students' Contest.
APRIL	8,	Saturday	Philosophian New Students' Contest.
APRIL	21,	{ Friday	{ San Jacinto Day High School Track Meet } Holiday.
MAY	20,	{ Saturday	{ Second Term Examinations.
MAY	22-26,	{ Monday-Friday	{
MAY	26,	Friday	Fine Arts Recital, 8:00 p. m.
MAY	27,	{ Saturday	{ Preparatory School Day. General Exercises, 10:00 a. m. Oratorical Contest, 8:00 p. m.
MAY	28,	{ Sunday	{ Commencement Sermon, 11:00 a. m. Undergraduate Sermon, 8:00 p. m.
MAY	29,	{ Monday	{ Reading Contest, 10:00 a. m. Art Exhibit, 2:00 to 6:00 p. m. Adkissonian Banquet, 8:00 p. m.
MAY	30,	{ Tuesday	{ Annual Meeting of Board of Trustees, 10:00 a. m. Alumnal Address, 11:00 a. m. Philosophian Annual Banquet.
MAY	31,	{ Wednesday	{ Commencement Day. Graduating Exercises, 10:00 a. m. Baccalaureate Address.

BOARD OF TRUSTEES

1910*

W. J. BOAZ.....	Fort Worth
JUDGE T. H. CONNER, Vice-President.....	Fort Worth
BISHOP JOS. F. KEY.....	Sherman
G. W. ARMSTRONG.....	Fort Worth
REV. J. G. PUTMAN.....	Stamford
REV. O. F. SENSABAUGH, President.....	Amarillo

1911*

REV. R. C. ARMSTRONG.....	Fort Worth
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GEO. H. MULKEY, Treasurer.....	Fort Worth
GEO. W. OWENS.....	Dallas
J. L. PENN.....	Waxahachie
REV. J. H. STEWART.....	Vernon
REV. L. A. WEBB.....	Childress

1912*

REV. W. B. ANDREWS.....	Waco
C. H. BENCINI.....	Fort Worth
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REV. W. H. MATTHEWS.....	Fort Worth
REV. J. G. MILLER.....	Clarendon
DR. J. A. RICHARDSON.....	Seymour

1913*

J. B. BAKER.....	Fort Worth
REV. S. A. BARNES.....	Abilene
REV. SAM R. HAY.....	Fort Worth
REV. H. D. KNICKERBOCKER.....	Fort Worth
J. K. PARR.....	Hillsboro
W. ERSKINE WILLIAMS, Secretary.....	Fort Worth

*The term of office expires at the annual meeting of the Board of Trustees in the year indicated.

GENERAL ORGANIZATION

FACULTY

Hiram A. Boaz, M. A., D. D., *President and Professor of Christian Evidences.*

W. F. Mister, M. A., *Emeritus.*

Jas. F. Sigler, M. A., *Professor of English.*

John B. Bishop, M. A., *Professor of Latin and Greek.*

John D. Boon, B. S., *Professor of Physics and Geology.*

R. A. Hearon, B. A., *Dean and Professor of History and Economics.*

S. M. Sewell, M. A., *Professor of Mathematics and Astronomy.*

C. L. Browning, M. A., *Professor of Biblical Literature and Philosophy.*

E. W. Shuler, M. A., *Professor of Chemistry and Biology.*

C. F. Webb, Ph. B., *Professor of German.*

S. A. Myatt, M. A., *Professor of Romance Languages.*

W. C. Bryant, M. A., *Professor of Education.*

J. E. Willis, M. A., *Principal of Preparatory School and Instructor in English.*

W. J. B. Buttrill, B. A., *Instructor in Mathematics.*

Chester Johnston, B. A., *Instructor in History and Botany.*

J. W. St. Clair, B. A., *Instructor in Latin.*

Mrs. K. C. Mister, *Assistant in Preparatory English and Mathematics.*

W. F. Ledlow, *Student Assistant in Greek.*

Wilbur MacDonald, *Director School of Fine Arts and Teacher of Piano.*

Geo. L. McMillan, *Teacher of Piano, Harmony and Composition.*

Guy R. Pitner, *Teacher of Piano.*

Geo. Weiler, *Teacher of Piano and Pipe Organ.*

Miss Vivian Yantis, *Teacher of Piano.*

Andrew Hemphill, *Teacher of Voice.*

Miss Iva May White, *Teacher of Voice.*

Marvin Edwards, *Teacher of Voice.*

FACULTY—*Continued*

Clyde Whitlock, *Teacher of Violin.*

Josef Rosenfield, *Teacher of Violin*

Mrs. Charles Tidwell Phelan, *Teacher of Expression.*

Mrs. Geo. L. McMillan, *Teacher of Art.*

Miss Jessie Stephens, *Assistant in Art.*

Miss Pearl Hatchett, *Assistant in Art.*

.....*Instructor in Gymnasium.*

.....*Instructor in Gymnasium.*

SCHOOLS

I. THE COLLEGE.

II. PREPARATORY SCHOOL.

III. SCHOOL OF FINE ARTS.

IV. SUMMER SCHOOL.

OFFICERS AND COMMITTEES

H. A. BOAZ.....*President*

B. O. BROWN.....*Secretary*

PRESIDENT'S COUNCIL

H. A. BOAZ, R. A. HEARON, J. E. WILLIS,
WILBUR MACDONALD, B. O. BROWN.

ATHLETICS

B. O. BROWN, J. W. ST. CLAIR,
E. W. SHULER, CHESTER JOHNSTON

LIBRARY

R. A. HEARON, JAS. F. SIGLER, C. F. WEBB.

Polytechnic College

HISTORICAL.

At the Annual Session of the Northwest Texas Conference, held at Abilene, November, 1890, the following memorial was presented:

To the Bishop and Members of the Northwest Texas Annual Conference, M. E. Church, South, assembled at Abilene, November 13, 1890.

Dear Father and Brethren:—

Whereas, certain capitalists of the city of Fort Worth have made propositions to our Church looking to the building and endowment of a college to be owned and controlled by the M. E. Church, South; and whereas, these donations offered, consisting of real estate situated in the suburbs of the city of Fort Worth, are estimated to be very valuable, and at future valuation to be worth much more; therefore be it

1. Resolved, That this Conference appoint a committee to consider these propositions and decide whether or not it is best for the Church to accept either of them.

2. That, Should this committee decide to accept one of these propositions, they shall have authority to appoint a Board of Trustees, who shall proceed to represent our Church and establish the college as soon as possible.

R. C. ARMSTRONG,
J. FRED COX,
W. L. NELMS,
W. P. WILSON.

This memorial was referred to a Special Committee, who made a report as follows:

We, your committee to whom was referred a memorial offered by Rev. R. C. Armstrong and others, submitting certain propositions made by Fort Worth capitalists, relative to the establishment of an institution of learning in the city of Fort Worth, beg leave to report that after a careful consideration of said paper we recommend the appointment of a committee, consisting of one member from each presiding elder's district, to be appointed by the presiding elders, whose duty it shall be to consider the offers made and to decide in the premises. Said committee shall further be empowered, upon the acceptance of the offer made, to appoint a Board of Trustees, in accordance with the Discipline, to whom the property shall be deeded, to be held in trust for the M. E. Church, South.

J. H. COLLARD, JR.
J. T. L. ANNIS,
W. L. WILSON,
R. O. ROUNSAVALL,

The report was adopted and the following committee with plenary powers was appointed: W. H. Vaughan, C. W. Jester, W. L. Vaughan, W. J. Boaz, C. D. Jordan, J. W. Lyle, J. M. Robertson, P. C. Ragsdale, J. H. Collard, Jr., J. T. L. Annis. The committee met in Fort Worth to consider the propositions and accepted the offer made by A. S. Hall, W. D. Hall and George Tandy of Tarrant County. This done, they selected a Board of Trustees and adjourned, with the following report of their labors:

The committee, appointed at last session of Northwest Texas Conference to consider and decide upon certain propositions made at Fort Worth, Texas, looking to the establish-

ment at that point of an institution of learning, have met and executed the trust committed to them.

Careful investigation was made on the ground, much time and thought were given, and nothing was omitted necessary to a wise and safe conclusion. At the decision on the 16th of December, 1890, there were present Brethren Annis, Collard, Jordan, W. H. Vaughan, W. L. Vaughan, Jester, Lyle and Boaz, who voted unanimously to accept a proposition made by Messrs. Hall, Hall and Tandy. The Committee regarded this the best offer made, and very advantageous for the Church.

Following the instructions given by the Conference, the committee appointed the following Board of Trustees: Joseph S. Key, J. Fred Cox, R. C. Armstrong, William L. Nelms, George W. Owens, W. P. Wilson, W. H. Vaughan, William J. Boaz, O. S. Kennedy, T. T. D. Andrews, Dr. H. W. Williams, N. A. Steadman, C. W. Jester. To these brethren and to God the fortunes of the institution are intrusted.

J. T. L. ANNIS, Chairman.

J. H. COLLARD, JR., Secretary.

On the same day, December 16, the Board of Trustees was organized, Bishop Joseph S. Key, D.D., being elected president; and on the 19th there was filed in the Department of State, in accordance with the statutory provisions of the State of Texas, the following charter: The State of Texas, County of Tarrant. Know all men by these presents: —

That we, the undersigned citizens of Tarrant County, Texas, have agreed and do by these presents agree to form a private corporation under the provisions of Title No. 20 of the Revised Statutes of the State of Texas, and for that purpose have adopted and do by these presents adopt the following provisions as the Charter of such corporation:

1st. The name of this organization shall be, The Polytechnic College of the Methodist Episcopal Church, South.

2nd. The purpose for which this corporation is formed is to support an educational institution at Fort Worth, Texas.

3rd. The business for this corporation shall be transacted at Fort Worth, Texas.

4th. This corporation shall exist for the term of fifty years.

*5th. The business of this corporation shall be managed by a board of thirteen trustees. The names and residences of those who are appointed for the first year are as follows, to-wit:

Joseph S. Key, of Fort Worth, Texas.

J. Fred Cox, of Fort Worth, Texas.

R. C. Armstrong, of Waco, Texas.

W. P. Wilson, of Fort Worth, Texas.

W. L. Nelms, of Fort Worth, Texas.

Geo. W. Owens, of Dallas, Texas.

W. H. Vaughan, of Granbury, Texas.

W. J. Boaz, of Fort Worth, Texas.

Oliver S. Kennedy, of Fort Worth, Texas.

T. T. D. Andrews, of Fort Worth, Texas.

H. W. Williams, of Fort Worth, Texas.

N. A. Steadman, of Fort Worth, Texas.

C. W. Jester, of Fort Worth, Texas.

This corporation has no capital stock and it has no assets in hand; but has promises amounting to over one hundred thousand dollars and valuable lands, which donated, are to be conveyed to it so soon as it has a legal existence as a corporation under the laws of Texas.

OLIVER S. KENNEDY,

N. A. STEADMAN,

H. W. WILLIAMS.

The State of Texas, County of Tarrant.

Before me, John S. Kennedy, a notary public in and for Tarrant County, Texas, on this day personally appeared Oliver S. Kennedy, N. A. Steadman and H. W. Williams, known to me to be the persons whose names are subscribed to the fore-

going instrument, and acknowledged to me that they executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office this 19th day of December, A. D., 1890.

JOHN S. KENNEDY,

(SEAL) Notary Public in and for Tarrant County, Texas.

Endorsed: Filed in Department of State, Dec. 23rd, A. D. 1890.

J. M. MOORE,

Secretary of State.

*The fifth article of the Charter was amended in 1907 by legislative act, increasing the number of trustees to twenty-five.

Rev. W. P. Wilson was chosen Financial Agent, and the work of founding the new college was pushed. February 3, 1891, Rev. J. W. Adkisson, M.A., then President of Central College, Texas, was selected as the first President. He proceeded at once to select a Faculty and provide quarters. September, 1891, the school opened for its first session with its one building, now the south wing of the Young Ladies' Home. The total enrollment for the year was 105. Rev. Adkisson remained President for three years; during his administration the enrollment grew in numbers, a library and laboratories of modest proportions were installed, and two frame buildings were erected, a boarding hall for boys and a chapel.

Rev. W. F. Lloyd, D. D., was made President in 1894, and served five years. In spite of financial stringency and poor equipment, the school, in the main, continued to move forward. The campus was improved, new buildings were erected, a debt of \$15,000 was either paid or provided for, the scope of the work was enlarged, the entrance requirements were considerably raised, and the Faculty was increased and strengthened. The pat-

ronage of the school grew rapidly; but growth meant additional expenses and financial difficulties. Dr. Lloyd resigned to return to the regular ministry, and Rev. R. B. McSwain, M. A., served as President pro tem for the session of 1899-1900. He was followed by Rev. G. J. Nunn, M. A., who held the Presidency for two years. A combination of circumstances made these hard years for the young college; only supreme faith and loyalty on the part of a few friends saved the situation.

In 1902, Rev. H. A. Boaz, M. A., D. D., was elected President, and his administration has been one of remarkable advancement along every line of school activities. The old frame buildings have been replaced by stone and brick structures; there has been corresponding increase in enrollment, in faculty and in equipment.

Polytechnic College now includes three distinct schools, with separate faculties and government: Preparatory School, The School of Fine Arts, The College. The College was given recognition by the General Board of Education in 1906; its classification was raised in 1908, and it now meets the full requirements for class "A" in faculty, scholarship and income, in every point except technical endowment.

The committee appointed by the Conference to select the site for Polytechnic College made no mistake. It is situated on a beautiful eminence two miles from Fort Worth, overlooking the city and surrounding country. It is healthful, retired, ideal. Excellent street car facilities connect this college suburb with the city, giving it the benefit of both country and city. Fort Worth is the most accessible school point in the State, being reached by twelve trunk lines of railroad with more than one hundred daily passenger trains. The College is connected

by telephone with all long-distance points in the State. It is in the center of the most fertile section and most densely populated portion of the State and has a location second to none in the entire commonwealth. About one hundred thousand Methodists are within a radius of one hundred miles of the College. Such a constituency can support a great school.

The purpose in the founding of Polytechnic College has been carried out only in part. In connection with the ordinary cultural work, there was to be developed a high grade technological school. The lack of funds proportionate to the opportunities of time and situation has not permitted so far the accomplishment of the purpose in full. The program is a comprehensive one, and will require years for completion. But the opportunities are too great to be neglected; and the history of the past, especially of recent years, will be repeated. Each succeeding year will mark some distinct advance, and the dreams of the founders will be fully realized in the years to come.

GROUNDS AND EQUIPMENT.

The grounds comprise twenty-five acres overlooking the city of Fort Worth and the surrounding country. Cement walks and gravel drives have been laid out, trees have been planted and other improvements are planned. An athletic field with a one hundred-yard straight-away, and four lap cinder tracks, jumping pits, football and baseball fields, basketball and tennis courts are within the enclosure.

The buildings on the campus are the Main building, the Science Hall, the Boaz-Benbrook Conservatory, the Young Ladies' Home, the Mulkey Hall, the Gymnasium and heating plant and the Church.

The Main building is a stone structure of three stories, occupying a position somewhat central on the campus and is conveniently situated with reference to the dormitories. It was erected in 1902, remodeled and enlarged in 1909. In addition to fifteen class rooms, it contains the administrative offices, the College store, the Library, Society Halls and a large Auditorium.

The Library occupies the entire second floor of the south wing of the Main building. The room is 32x100 feet, and is furnished in Mission oak. The Library contains some two thousand seven hundred and fifty bound volumes, besides a large number of pamphlets, magazines and historic documents. It is being added to constantly. In addition to a classified collection, it is supplied with dictionaries, encyclopedias, commentaries and other reference works. The reading tables are furnished with the standard scientific and popular magazines and periodicals. The Library is kept open every day except Sunday. Students have access also to the Carnegie Public Library in the city.

The Science Hall was completed in 1906, and is one of the most complete structures of its kind in the State. It is a two-story brick, designed for scientific work. It contains laboratories and lecture rooms for the department of Physics, Chemistry and Biology. There are ten rooms and a large workshop.

Biology—The Biology Department is well equipped with specially constructed tables with locker

drawers. It has eight Bausch and Lomb BH microscopes and one BB oil immersion, a microtone, paraffin bath, and other instruments of like character. A good nucleus for a museum is organized and a number of display cases are filled with illustrative Botanical and Zoological specimens. The Department possesses the most complete instrument for projection work made—a Bausch and Lomb Convertible Balopticon. This has stereoptican, microscopic and opaque methods of projection.

Chemistry—The Chemistry Department is well equipped with lockers and desks. It has a large assortment of chemicals and two imported balances. In addition to the recitation room, the general laboratory and the storeroom, there is a weighing-room for analytic work. The equipment is ample for the work outlined.

Physics—The physics laboratory is specially constructed for work in Physics. Heavy experiment tables are installed around the walls. Large cases have been built to protect the instruments. In addition to the regular equipment for the first year work, the following list of instruments will give an idea as to the equipment for more advanced work: Spectrometer, interferometer, comparater, bi-prisms, gratings, lenses, prisms, induction coil, galvanometers, resistance boxes, Wheatstone bridge, magnetometers, X-ray machine, induction machine. The recitation room is provided with special curtain and a splendid stereopticon.

Workshop—The workshop on the first floor in the rear of the building is fitted with a motor, electricity being used to run all the machinery. It contains wood and

metal lathes, a universal woodworker, tool chests, grindstones, emory wheel, air compressor and bench.

The Boaz-Benbrook Conservatory is a three-story brick structure, south of the Main building and one hundred and fifty feet from the Young Ladies' Home. It was erected in 1906. The School of Fine Arts occupies the first floor of this building; the two upper stories contain twenty-five rooms for young women who are specializing in the Fine Arts.

The Young Ladies' Home is a three-story brick building, the south wing of which was erected in 1891. This building was enlarged and remodeled in 1905. It contains rooms for eighty young women, a large dining-room, reception hall and office of the Lady Principal. The Young Ladies' Home is conveniently situated with respect to recitation rooms and the auditorium, yet far enough away to insure a proper degree of privacy.

The Mulkey Hall, the home for young men, erected in 1904, is on the north side of the campus. This is a three-story brick dormitory with rooms for one hundred young men. It also contains a suite of rooms for the Manager, a large reception hall and dining-room with a seating capacity of two hundred.

The Gymnasium, finished in 1909, is a brick structure, in connection with which is the heating plant. The main floor of the Gymnasium is 60x80 feet. Above is a gallery, upon which, at a later date, a 25-lap running track will be placed. The Gymnasium contains a basket ball court, two bowling alleys and other equipment necessary for thorough work, and has shower and tub baths. Steel lockers will be installed during the summer.

A handsome brick Church, situated on the southwest corner of the campus, is nearing completion.

All College buildings are lighted by electricity and heated with steam from our central heating plant. The heating plant is equipped with two 75-horsepower boilers, and is the vacuum low pressure system. The steam pipes are insulated by the American District System of dead air spaces. Dead air is the best insulator known.

GENERAL ADMISSION.

TIME.

Prompt registration is important and should be attended to according to calendar. A fee of \$1.00 will be charged for examination after the regular dates.

METHOD OF PROCEDURE.

An applicant for admission to any school or department will report at the Secretary's office, fill in the data required for permanent record and obtain registration and matriculation cards.

A new student must furnish testimonials of good character before he is entitled to matriculation; and, in case he comes from another College, he must present a certificate of honorable dismissal.

The applicant will present himself with his registration card to the Principal of the Preparatory School or to the Director of the School of Fine Arts or to the Committee on Admission into the College, according to the school or schools he seeks to enter. By examinations or by proper credentials, his qualifications will be determined; and there will be entered on the *registration card*

the courses desired for the term. The student will then present the *matriculation card* and the properly certified *registration card* to the Secretary. On payment of tuition and fees, the Secretary will stamp the matriculation card and return it to the student, together with a receipt for the payments made.

The *matriculation card* should be retained under all circumstances; as it, when duly stamped, admits the rightful bearer to all the privileges of the College.

The *registration card* will be placed on file by the Secretary, who will fill out from it an individual enrollment card for each subject to be pursued. These enrollment cards are sent to the respective instructors; and no one will be entitled to instruction in any class or department unless the proper card has been received.

GENERAL TERMS.

The expense item is, with many students, the most difficult problem. The Polytechnic College must charge tuitions; but these charges are made very reasonable considering the advantages offered. *Tuitions and fees must be paid in advance, and no name will be entered for instruction until all accounts due are paid. All tuitions are by the term, and positively no monthly accounts will be allowed.* Bankable notes, bearing interest from date, will be accepted in part payment.

FREE TUITIONS.

Free literary tuition will be given to the children of all evangelical preachers in regular ministerial work or in the superannuate relation.

Young preachers, preparing for the itinerant ministry, are admitted free of literary tuition when already

licensed; provided, they sign a note for their tuition, which note is to become null and void if they enter the active ministry within two years after leaving school. The recommendation of a Quarterly Conference will be considered and, if satisfactory to the Faculty, will entitle the holder to free tuition on the same terms as the licentiate. Volunteers for the Mission Field, not under twenty years of age and recommended by a Quarterly Conference, are granted free literary tuition, on the above conditions.

HONOR SCHOLARSHIPS.

The first honor graduate of any affiliated school is entitled to a scholarship in the College for one year.

The first honor member of the Freshman Class will be granted a scholarship for the Sophomore year. However, the candidate must do full Freshman work and no grade must fall below C.

NOTE.—The College reserves the right to revoke any scholarship, if the work and conduct of the student is not satisfactory.

NOTE.—Scholarships do not cover laboratory and term fees. They are not transferable and should be presented when College bills are being paid.

REFUNDS AND DUE-BILLS.

Tuition will be refunded only when permanent absence is made necessary by protracted illness, injury or by death in the immediate family. In the case of absence, necessary but not permanent, a due-bill will be given to the amount of the unused tuition, and this bill will be accepted at face value in settlement of future accounts against the holder, or any member of the im-

mediate family; provided, it is presented within a year and applied to tuition in the same school from which it was issued.

No refund or due-bill in respect to literary tuition will be allowed for less than four weeks, and all applications must be accompanied by satisfactory certificates and data.

No money will be refunded nor due-bills given to students who leave school without permission from the proper authorities or who are dismissed on account of conduct or poor work.

Term fees and laboratory fees are not refundable, nor will there be any refund on account of change of course, by dropping practice or study after the term work has commenced.

DISCOUNTS.

A discount of 10 per cent will be allowed on tuition in the College and Preparatory School to two students from the same family.

A discount of 5 per cent will be allowed on tuition in the *School of Fine Arts* to two students from the same family.

Students taking a course in the *School of Fine Arts* and a partial literary course will be allowed a discount of 50 per cent in *literary tuition*; provided, they take no more than two subjects.

No person is authorized to give terms other than above and all settlements will be held strictly to the published list and discounts.

TUITION AND FEES.

Tuition and Fees are payable at the opening of each term.

Term Fees, all students.....\$ 5.00

1. COLLEGE.

Tuition30.00

Laboratory Fee in Physics, per year..... 3.00

Laboratory Fee in Chemistry I, per year..... 5.00

Laboratory Fee in Chemistry II, per year.....10.00

Laboratory Fee in Biology I per year..... 3.00

Laboratory Fee in Biology II per year..... 5.00

2. PREPARATORY SCHOOL.

Tuition 26.00

3. SCHOOL OF FINE ARTS.

Piano with Mr. MacDonald..... 75.00

Half Piano with Mr. MacDonald..... 50.00

Piano with Mr. McMillan..... 50.00

Piano with Mr. Pitner..... 40.00

Piano with Mr. Weiler..... 40.00

Piano with other teachers..... 30.00

Voice with Mr. Hemphill..... 60.00

Voice with Mr. Edwards..... 30.00

Voice with Miss White..... 30.00

Sight Singing, those not taking private lessons.... 5.00

Violin with Mr. Rosenfeld..... 75.00

Violin with Mr. Whitlock..... 40.00

Composition, private lessons..... 50.00

*Harmony, private lessons..... 50.00

First Division Harmony, in class..... 12.50

Art with Mrs. McMillan..... 40.00

**Oratory with Mrs. Phelan, private lessons..... 55.00

Oratory with Mrs. Phelan, class lessons..... 20.00

Oratory, Children's Class..... 13.00

PIANO RENT.

1 hour per day..... 5.00

2 hours per day..... 9.00

3 hours per day.....	\$12.00
4 hours per day.....	15.00
5 hours per day.....	16.00
6 hours per day.....	18.00
Full Piano.....	30.00

The basis of charge will be increased 20 per cent., unless otherwise noted, for those students who take but one-half the usual work in any course in the School of Fine Arts.

*Two students of the same degree of advancement may divide private lessons in Harmony, each paying one-half tuition.

**All students registering for private oratory are required to take class work. The price set down includes class work.

THE COLLEGE

OFFICERS AND STANDING COMMITTEES

H. A. BOAZ.....	<i>President</i>
R. A. HEARON.....	<i>Dean</i>
S. M. SEWELL.....	<i>Secretary</i>

AFFILIATION AND ADMISSION.

S. M. SEWELL,	J. F. SIGLER,
E. W. SHULER,	W. C. BRYANT.

EXECUTIVE COMMITTEE.

J. B. BISHOP,	J. N. BOON,
C. L. BROWNING,	S. A. MYATT.

NOTE—The President and Dean are ex-officio members of Standing Committees.

FACULTY

Hiram A. Boaz, M. A., D. D., *Professor of Christian Evidences.*
W. F. Mister, M. A., *Emeritus.*
Jas. F. Sigler, M. A., *Professor of English.*
Jno. B. Bishop, M. A., *Professor of Latin and Greek.*
Jno. D. Boon, B. S., *Professor of Physics and Geology.*
R. A. Hearon, B. A., *Professor of History and Economics.*
S. M. Sewell, M. A., *Professor of Mathematics and Astronomy.*
C. L. Browning, M. A., *Professor of Biblical Literature and Philosophy.*
E. W. Shuler, M. A., *Professor of Biology and Chemistry.*
S. A. Myatt, M. A., *Professor of Romance Languages.*
C. F. Webb, Ph. B., *Professor of German.*
W. C. Bryant, B. A., *Professor of Education and Visitor of Schools.*

ADMISSION TO COLLEGE

If the applicant seeks admission to the College he will present himself, after obtaining the proper cards, to the Committee on Admission, who will determine by examination or by certificate of scholarship presented, the unit credits to be allowed towards entrance and will issue the applicant a certificate of the same. The list of studies he wishes to pursue will be taken to the Dean for approval. The approved list of studies and credits will be filed with the Secretary as soon as secured.

No study can be taken up without the consent of the instructor in charge, and this consent must be obtained before the list of studies is submitted to the Dean.

Positively no credit will be given for any study not properly registered for.

A study once begun cannot be dropped, nor can other work be taken up without the written consent of the Dean and the same must be filed with the Secretary.

Students will be expected to continue for the year or term at least twelve (12) session hours of studies originally registered for.

EXAMINATIONS FOR ENTRANCE.

The regular entrance examinations are held during the last two days immediately preceding the opening of any term. Only extreme cases will warrant the Faculty in granting special examinations to those not present to take the regular examinations.

All applicants, presenting themselves without acceptable certificates of scholarship, are required to pass a written examination on all subjects leading up to the rank or class they desire to enter.

TEACHERS' CERTIFICATES.

Holders of permanent or first grade Texas State teachers' certificates will be given credit, without examination, in all subjects covered by the certificates, so far as entrance demands are met.

CERTIFICATES—AFFILIATED AND APPROVED SCHOOLS.

Graduates of full affiliated and approved high schools and academies will be admitted to Freshman rank without examination, upon the presentation of certificates showing that the requirements for entrance have been met; those from partially affiliated and approved schools will be given credit in those subjects that have been affiliated or approved on the presentation of the proper certificates.

All certificates from schools, affiliated or approved, must show in detail time spent, subjects covered and grades made and must be signed by Principal, Superintendent or President.

Certificates must be presented in person; and there is no obligation to accept certificates more than a year old.

Whether a student enters by examination or by certificate, he is not given full standing until he has shown, by doing satisfactory work, that he is able to pursue a college course with success.

Students, admitted later than two weeks after the beginning of the term, will be required to pass an examination on the work already accomplished by the classes he wishes to enter.

ADVANCED STANDING.

Advanced standing may be attained for work done in another approved college by examination or on the presentation of satisfactory testimonials of scholarship; but no degree will be conferred without a residence of at least one year at the College.

REQUIREMENTS FOR ADMISSION.

The quantity and quality of work required for entrance is measured by units; students are admitted to College as: Full Freshmen, conditional Freshmen or Special Students.

FULL FRESHMEN.

For admission as Full Freshman the student must present fourteen (14) units.

FOR B.A. ENTRANCE.

English	3 units
Algebra	1½ units
Plane Geometry.....	1 unit
General History or Ancient History...	1 unit
Latin	3 units
Greek, German, French or Spanish.....	2 units
Elective	2½ units
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Total	14 units

FOR B.S. ENTRANCE.

English	3 units
Algebra	1½ units
Plane Geometry.....	1 unit
General History or Ancient History...	1 unit
Science	1 unit
*Foreign Language	5 or 4 units
Elective	2½ or 1½ units
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Total	14 units

*The candidate who desires to count Latin for B.S. entrance must present not less than three (3) units in that language and not less than two (2) units in Greek, German, French or Spanish.

It is recommended that candidates for B.A. entrance present four (4) units in Latin, that candidates for B.S. entrance present three and one-half (3½) units in Mathematics.

ELECTIVE.

Solid Geometry.....½ unit	Botany 1 unit
Plane Trigonometry...½ unit	Chemistry 1 unit
Classical Languages	Physics 1 unit
(additional) 1 unit	Physiography 1 unit
Modern Languages	Physiology½ unit
(additional) 1 unit	Zoology 1 unit
American History or Civics and American History..... 1 unit	

Units applied to entrance cannot be counted for collegiate credits.

An excess of units on entrance may be counted for collegiate credit, provided the work is accepted by the department or departments concerned as equivalent to the work done in the College.

CONDITIONED FRESHMEN.

Students who cannot enter as *Full Freshmen* may be rated as *Conditioned Freshmen*; provided they offer not less than ten (10) units for entrance, of which three (3) units must be in English, two and one-half (2½) in Mathematics, one (1) in History; provided also, they take not less than eight (8) hours in work to be counted for College credit.

SPECIAL STUDENTS.

Students who cannot satisfy the minimum of entrance units required of candidates for degrees, may be admitted as *Special Students*; provided, they are of mature age and satisfy the requirements in English and History, and offer not less than three (3) additional units in other subjects.

EXPLANATION OF UNIT VALUES.

The Board of Education of the Methodist Episcopal Church, South, has adopted for work done in secondary schools the standard of measurement now generally accepted by first-class colleges and universities. In 1909, the National Conference Committee on Standards of College and Secondary Schools recommended the following definition of a unit: "A unit represents a year's study in any subject in a secondary school, constituting approximately a quarter of a full year's work."

It is assumed that the length of the school year is not less than thirty-six (36) weeks, that the study is pursued for four (4) or five (5) periods a week, and that a period is from forty (40) to sixty (60) minutes in length. Two (2) hours of laboratory work are regarded as the equivalent of one (1) hour of prepared work.

The definition of the units, given in the following pages, are in accordance with accepted standards:

ENGLISH.

I. *Reading and Practice*.—One and one-half units.

Preparation for this part of the work should include the ability to write a paragraph or two on each of several topics, to be chosen by the candidate from a considerable number—perhaps ten or fifteen—set before him in the examination paper. The treatment of these topics is designed to show the candidate's power of clear and accurate expression, and will call for only a general knowledge of the substance of the books. In every case knowledge of the book will be regarded as less important than the ability to write good English. It is important that the candidate shall have been instructed in the fundamental elements of rhetoric.

The books set for this part of the examination in 1910, 1911 and 1912 will be:

Group 1 (two to be selected).

Shakespeare's *As You Like It*, *Henry Fifth*, *Julius Caesar*,
The Merchant of Venice, *Twelfth Night*.

Group 2 (one to be selected).

Bacon's *Essays*; Bunyan's *The Pilgrim's Progress*, Part 1; *The Sir Roger de Coverley Papers* in *The Spectator*; Franklin's *Autobiography*.

Group 3 (one to be selected).

Chaucer's *Prologue*; Spencer's *Faërie Queene* (selection); Pope's *The Rape of the Lock*; Goldsmith's *The Deserted Village*; Palgrave's *Golden Treasury* (First Series), Books 2 and 3, with especial attention to Dryden, Collins, Gray, Cowper and Burns.

Group 4 (two to be selected).

Goldsmith's *The Vicar of Wakefield*; Scott's *Ivanhoe*; Scott's *Quentin Durward*; Hawthorne's *The House of Seven Gables*; Thackeray's *Henry Esmond*; Mrs. Gaskell's *Cranford*; Dicken's *A Tale of Two Cities*; George Eliot's *Silas Marner*; Blackmore's *Lorna Doone*.

Group 5 (two to be selected).

Irving's *Sketch Book*; Lamb's *Essays of Elia*; DeQuincey's *Joan of Arc* and *The English Mail Coach*; Carlyle's *Heroes and Hero Worship*; Emerson's *Essays* (selected); Ruskin's *Sesame and Lilies*.

Group 6 (two to be selected).

Coleridge's *The Ancient Mariner*; Scott's *The Lady of the Lake*; Byron's *Mazeppa* and *The Prisoner of Chillon*; Palgrave's *Golden Treasury* (First Series), Book 4, with especial attention to Wordsworth, Keats and Shelley; Macaulay's *Lays of Ancient Rome*; Poe's *Poems*; Lowell's *The Vision of Sir Launfal*; Arnold's *Sohrab and Rustum*; Longfellow's *The Courtship of Miles Standish*; Tennyson's *Gareth and Lynette*, *Lancelot and Elaine* and *The Passing of Arthur*; Browning's *Cavalier Tunes*, *The Lost Leader*, *How They Brought the Good News from Ghent to Aix*, *Evelyn Hope*, *Home Thoughts from Abroad*, *Home Thoughts from the Sea*, *Incident of the French Camp*, *The Boy and the Angel*, *One Word More*, *Herve Riel*, *Pheidippides*.

II. Study and Practice.—One and one-half units.

Preparation for this part of the work includes thorough study of each of the works named below; a knowledge of

the subject-matter, form and structure. In addition, the candidate may be required to answer questions involving the essentials of English grammar, and questions on the leading facts in those periods of English literary history to which the prescribed works belong.

The books set for this examination in 1910, 1911 and 1912 will be:

Shakespeare's *Macbeth*; Milton's *Lycidas*, *Comus*, *L'Allegro* and *Il Penseroso*; Burke's *Speech on Conciliation with America* or Washington's *Farewell Address* and Webster's *First Bunker Hill Oration*; Macaulay's *Life of Johnson* or Carlyle's *Essay on Burns*.

ANNOUNCEMENTS FOR 1913-1915.

Upon the recommendation of the National Conference on Uniform Entrance Requirements in English, the following requirements have been adopted for the years 1913, 1914 and 1915:

Preparation in English has two main objects: (1) command of correct and clear English, spoken and written; (2) ability to read with accuracy, intelligence and appreciation.

I. *English Grammar and Composition*.—The first object requires instruction in grammar and composition. English grammar should ordinarily be reviewed in the secondary school; and correct spelling and grammatical accuracy should be rigorously exacted in connection with all written work during the four years. The principles of English composition governing punctuation, the use of words, paragraphs and the different kinds of whole composition, including letter writing, should be thoroughly mastered; and practice in composition should extend throughout the secondary school period. Written exercises may well comprise narration, description, easy exposition and argument based upon simple outlines. It is advisable that subjects for this work be taken from the student's personal experience, general knowledge and studies other than English, as well as from his reading in literature. Finally, special instruction in language and composition should be accompanied by concerted effort of teachers in all

branches to cultivate in the student the habit of using good English in his recitations and various exercises, whether oral or written.

2. *Literature*.—The second object is sought by means of two lists of books, headed respectively *reading* and *study*, from which may be framed a progressive course in literature covering four years. In connection with both lists, the student should be trained in reading aloud and be encouraged to commit to memory some of the more notable passages both in verse and in prose. As an aid to literary appreciation, he is further advised to acquaint himself with the most important facts in the lives of the authors whose works he reads and with their place in literary history.

(a) *Reading*.—The aim of this course is to foster in the student the habit of intelligent reading and to develop a taste for good literature, by giving him a first-hand knowledge of some of its best specimens. He should read the books carefully, but his attention should not be so fixed upon details that he fails to appreciate the main purpose and charm of what he reads.

With a view to large freedom of choice, the books provided for reading are arranged in the following groups, from which at least ten units* are to be selected, two from each group:

I. The *Old Testament*, comprising at least the chief narrative episodes in Genesis, Exodus, Joshua, Judges, Samuel, Kings and Daniel, together with the books of Ruth and Esther; the *Odyssey*, with the omission, if desired, of Books I, II, III, IV, V, XV, XVI, XVII; the *Iliad*, with the omission, if desired, of Books XI, XIII, XIV, XV, XVII, XXI; Virgil's *Aeneid*. The *Odyssey*, *Iliad* and *Aeneid* should be read in English translations of recognized literary excellence.

For any unit of this group a unit from any other group may be substituted.

II. Shakespeare's *Merchant of Venice*; *A Midsummer Night's Dream*; *As You Like It*; *Twelfth Night*; *Henry the Fifth*; *Julius Caesar*.

III. Defoe's *Robinson Crusoe*, Part I; Goldsmith's *Vicar of Wakefield*; either Scott's *Ivanhoe* or Scott's *Quentin Dur-*

ward; Hawthorne's *House of the Seven Gables*; either Dickens's *David Copperfield* or Dicken's *Tale of Two Cities*; Thackeray's *Henry Esmond*; Mrs. Gaskell's *Cranford*; George Eliot's *Silas Marner*; Stevenson's *Treasure Island*.

IV. Bunyan's *Pilgrim's Progress*, Part I; *The Sir Roger de Coverley Papers* in the *Spectator*; Franklin's *Autobiography* (condensed); Irving's *Sketch Book*; Macaulay's *Essays on Lord Clive* and *Warren Hastings*; Thackeray's *English Humorists*; *Selections* from Lincoln, including at least the two *Inaugurals*, the *Speeches* in Independence Hall and at Gettysburg, the *Last Public Address* and the *Letter to Horace Greeley*, along with a brief memoir or estimate; Parkman's *Oregon Trail*; either Thoreau's *Walden* or Huxley's *Autobiography* and selections from *Lay Sermons*, including the addresses on *Improving Natural Knowledge*, *A Liberal Education* and *A Piece of Chalk*; Stevenson's *Inland Voyage* and *Travels with a Donkey*.

V. Palgrave's *Golden Treasury (First Series)*, Books II and III, with especial attention to Dryden, Collins, Gray, Cowper and Burns; Gray's *Elegy in a Country Churchyard*, and Goldsmith's *Deserted Village*; Coleridge's *Ancient Mariner* and Lowell's *Vision of Sir Launfal*; Scott's *Lady of the Lake*; Byron's *Childe Harold*, Canto IV and *Prisoner of Chillon*; Palgrave's *Golden Treasury (First Series)*, Book IV, with especial attention to Wordsworth, Keats and Shelley; Poe's *Raven*, Longfellow's *Courtship of Miles Standish* and Whittier's *Snowbound*; Macaulay's *Lays of Ancient Rome* and Arnold's *Sohrab and Rustum*; Tennyson's *Gareth and Lynette*, *Lancelot and Elaine* and *The Passing of Arthur*; Browning's *Cavalier Tunes*, *The Lost Leader*, *How They Brought the Good News from Ghent to Aix*, *Home Thoughts from Abroad*, *Home Thoughts from the Sea*, *Incident of the French Camp*, *Herve Riel*, *Pheidippides*, *My Last Duchess*, *Up at a Villa—Down in the City*.

(b) *Study*.—This part of the requirement is intended as a natural and logical continuation of the student's earlier reading, with greater stress laid upon form and style, the exact meaning of words and phrases and the understanding

of allusions. For this close reading are provided a play, a group of poems, an oration and an essay, as follows:

Shakespeare's *Macbeth*; Milton's *L'Allegro*, *Il Penseroso* and *Comus*; either Burke's *Speech on Conciliation with America* or both Washington's *Farewell Address* and Webster's *First Bunker Hill Oration*; either Macaulay's *Life of Johnson* or Carlyle's *Essay on Burns*.

Examination.—However accurate in subject-matter, no paper will be considered satisfactory if seriously defective in punctuation, spelling or other essentials of good usage.

The examination will be divided into two parts, one of which may be taken as a preliminary and the other as a final.

The first part of the examination will be upon ten units chosen, in accordance with the plan described earlier, from the lists headed *reading*; and it may include also questions upon grammar and the simpler principles of rhetoric, and a short composition upon some topic drawn from the student's general knowledge or experience. On the books prescribed for reading, the form of the examination will usually be the writing of short paragraphs on several topics which the candidate may choose out of a considerable number. These topics will involve such knowledge and appreciation of plot, character-development and other qualities of style and treatment as may be fairly expected of boys and girls. In grammar and rhetoric the candidate may be asked specific questions upon the practical essentials of these studies, such as the relation of the various parts of a sentence to one another, the construction of individual words in a sentence of reasonable difficulty and those good usages of modern English which one should know in distinction from current errors.

The second part of the examination will include composition and those books comprised in the list headed *study*. The test in composition will consist of one or more essays, developing a theme through several paragraphs; the subject will be drawn from the books prescribed for *study*, from the candidate's other studies and from his personal knowledge and experiences quite apart from reading. For this purpose the

examiner will provide several subjects, perhaps five or six, from which the candidate may make his own selections. The test on the books prescribed for study will consist of questions upon their content, form and structure, and upon the meaning of such words, phrases and allusions as may be necessary to an understanding of the works and an appreciation of their salient qualities of style. General questions may also be asked concerning the lives of the authors, their other works and the periods of literary history to which they belong.

*Each unit is set off by semicolons.

MATHEMATICS.

I. *Algebra to Quadratics*.—One unit.

The four fundamental operations for rational algebraic expressions; factoring, determination of highest common factor and lowest common multiple by factoring; fractions, including complex fractions, ratio and proportion; linear equations, both numerical and literal, containing one or more unknown quantities; problems depending on linear equations; radicals, including the extraction of the square root of polynomials and of numbers; exponents, including the fractional and negative.

II. *Algebra through Quadratic Equations, Binomial Theorem, Progressions, etc.*—One-half Unit.

Simple cases of equations with one or more unknown quantities that can be solved by the method of linear or quadratic equations; problems depending upon quadratic equations; the binomial theorem for positive integral exponents; the formulas for n th term and the sum of the terms of arithmetic and geometric progressions, with applications.

III. *Plane Geometry*.—One unit.

The usual theorems and constructions of good text-books, including the general properties of plane rectilinear figures; the circle and the measurement of angles; similar polygons; areas; regular polygons and the measurement of the circle; the solution of numerous original exercises, including loci

problems; application to the mensuration of line and plane surfaces.

IV. *Solid Geometry*.—One-half unit.

The usual theorems and constructions of good text-books, including the relations of planes and lines in space; the properties and measurement of prisms, cylinders and cones; the sphere and the spherical triangle; the solution of numerous original exercises, including loci problems; applications to the mensuration of the surfaces and solids.

V. *Trigonometry*.—One-half unit.

Definitions and relations of the six trigonometric functions as ratios; circular measurement of angles; proofs of principal formulas, in particular for the sine, cosine and tangent of the sum and the difference of two angles of the double angle and the half angle; the product expressions for the sum or the difference of two sines or of two cosines, etc.; the transformation of trigonometric expressions by means of these formulas; solution of trigonometric equations of a simple character; theory and use of logarithms (without the introduction of work involving infinite series); the solution of right and oblique triangles, and practical applications, including the solution of right spherical triangles.

LATIN.

I. *Grammar and Composition*.—One unit.

The inflections; the simpler rules for composition and derivation of words; syntax of cases and the verbs; structure of sentences in general, with particular regard to relative and conditional sentences, indirect discourse and the subjunctive. Translation into easy Latin of detached sentences and very easy continuous prose based upon Caesar and Cicero.

II. *Caesar*.—One unit.

Any four books of the *Gallie War*.

III. *Cicero*.—One unit.

Any six orations from the following list or equivalents: the four orations against *Catiline*, *Archias*, *The Manilian Law*,

Marcellus, Roscius, Milo, Sestius, Ligarius, the fourteenth *Philippic*.

IV. *Virgil*.—One unit.

The first six books of the *Aeneid* and so much prosody as relates to accent, versification in general and dactylic hexameter; equivalent in Sallust, Ovid and other Latin authors may be offered in place of the reading indicated above. In connection with all of the reading there should be constant practice in sight translation and in prose composition.

GREEK.

I. *Grammar and Composition*.—One unit.

The common forms, idioms and constructions, and the general grammatical principles of Attic Greek prose. Translation into Greek of detached sentences and very easy continuous prose, based upon the *Anabasis*.

II. *Xenophon*.—One unit.

The first four books of the *Anabasis*.

III. *Homer*.—One unit.

The first three books of the *Iliad* (omitting II, 494-end) and the Homeric constructions, forms and prosody. In connection with the reading in Greek there should be constant practice in sight translation and in prose composition.

GERMAN.

I. *Elementary*.—Two units.

During the first year the work should comprise careful drill upon pronunciation; the memorizing and frequent repetition of easy colloquial sentences; drill upon the rudiments of grammar, that is, upon the inflection of the articles, of such nouns as belong to the language of every-day life, of adjectives, pronouns, weak verbs, and the more usual strong verbs; also upon the use of the more common prepositions, the simpler uses of the modal auxiliaries, and the elementary rules of syntax and word-order; abundant easy exercises designed not only to fix in mind the forms and principles of grammar, but also to cultivate readiness in the reproduction

of natural forms of expression; the reading of 75 to 100 pages of graduated texts from a reader, with constant practice in translating into German easy variations upon sentences selected from the reading lesson (the teacher giving the English), and in the reproduction from memory of sentences previously read.

During the second year the work should comprise the reading of from 150 to 200 pages of literature in the form of easy stories and plays; accompanying practice, as before, in the translation into German of easy variations upon the matter read, and also in the off-hand reproduction, sometimes orally and sometimes in writing, of the substance of short and easy selected passages; continued drill upon the rudiments of grammar, directed to the ends of enabling the pupil, first, to use his or her knowledge with facility in the formation of sentences, and, secondly, to state his or her knowledge correctly in the technical language of grammar.

II. *Intermediate*.—One unit.

The work should comprise, in addition to the elementary course, the reading of about 400 pages of moderately difficult prose and poetry, with constant practice in giving, sometimes orally and sometimes in writing, paraphrases, abstracts or reproductions from memory of selected portions of the matter read, also grammatical drill upon the less usual strong verbs, the use of articles, cases, auxiliaries of all kinds, tenses and modes (with special reference to the infinitive and subjunctive) and likewise upon word-order and word-formation.

FRENCH.

I. *Elementary*.—Two units.

During the first year the work should comprise careful drill in pronunciation; the rudiments of grammar, including the inflection of the regular and the more common irregular verbs, the plural nouns, the inflection of adjectives, participles and pronouns; the use of personal pronouns, common adverbs, prepositions and conjunctions; the order of words in the sentences and the elementary rules of syntax; abundant easy exercises, designed not only to fix in the memory the forms and

principles of grammar, but also to cultivate readiness in the reproduction of natural forms of expression; the reading of from 100 to 175 duodecimo pages of graduated texts, with constant practice in translating into French easy variations of the sentences read (the teacher giving the English), and in reproducing from memory sentences previously read; writing French from dictation and drill in pronunciation.

During the second year the work should comprise the reading of from 250 to 400 pages of easy modern prose in the form of stories, plays or historical or biographical sketches; constant practice, as in the previous year, in translating into French easy variations upon the texts read; frequent abstracts, sometimes oral, sometimes written, of portions of the text already read; writing French from dictation; continued drill upon the rudiments of grammar, with constant application in the construction of sentences; mastery of the forms and use of pronouns, pronominal adjectives, or all but the rare irregular verb forms, and of the simpler uses of the conditional and subjunctive.

II. *Intermediate*.—One unit.

This should comprise the reading of from 400 to 600 pages of French of ordinary difficulty, a portion to be in the dramatic form; constant practice in giving French paraphrases, abstracts or reproductions from memory of selected portions of the matter read; the study of a grammar of moderate completeness; writing from dictation and drill in pronunciation.

SPANISH.

I. *Elementary*.—Two units.

During the first year the work should comprise careful drill in pronunciation; the rudiments of grammar, including the conjugation of the regular and the more common irregular verbs, the inflection of nouns, adjectives and pronouns, and the elementary rules of syntax; exercises containing illustrations of the principles of grammar; the reading and accurate rendering into good English of from 100 to 175

duodecimo pages of graduated texts, with translation into Spanish of easy variations from sentences read; writing Spanish from dictation.

During the second year the work should comprise the reading of from 250 to 400 pages of modern prose from different authors; practice in translating Spanish into English, and English variations of the text into Spanish; continued study of the elements of grammar and syntax; mastery of all but the rare irregular verb forms and the simpler uses of the modes and tenses; writing Spanish from dictation; memorizing of easy short poems.

HISTORY.

Preparation in history will be given credit upon the basis of time devoted to the study of each branch of the subject, rather than upon the amount of ground covered. The training in history should require comparison and the use of judgment on the pupil's part, rather than the mere use of memory. The use of good text-books, collateral reading, practice in writing and accurate geographical knowledge are essential.

I. *American History* (Civics may be a part of the course).—One unit.

II. *General History or Ancient History*.—One unit.

SCIENCE.

I. *Botany*.—One unit.

The preparation in Botany should include a careful study of the following divisions of the subject: Anatomy and morphology; physiology; ecology; the natural history of the plant groups and classifications. Individual laboratory work by the student is essential and should receive at least double the amount of time given to recitation. Stress should be laid upon diagrammatically accurate drawing and precise expressive description.

II. *Chemistry*.—One unit.

The preparation in Chemistry should include individual laboratory work, comprising at least forty exercises selected

from a list of sixty or more; instruction by lecture-table demonstrations, to be used mainly as a basis for questioning upon the general principles involved in the pupil's laboratory investigations; the study of at least one standard text-book, to the end that the pupil may gain a comprehensive and connected view of the most important facts and laws of elementary Chemistry.

III. *Physics*.—One unit.

The preparation in Physics should be conducted upon the general plan suggested for the work in Chemistry.

IV. *Physiography*.—One unit.

The preparation in Physiography should include the study of at least one of the modern text-books, together with an approved laboratory and field course of at least forty exercises actually performed by the student.

V. *Physiology*.—One-half unit.

The preparation of Physiology should include a study of the nature of foods and their history in the body; the essential facts of digestion, absorption, circulation, secretion, excretion and respiration; the motor, nervous and sensory functions; and the structure of the various organs by which these operations are performed. A note book with careful outline drawings of the chief structures studied anatomically, together with explanations of these drawings, and the study of a good text-book, are essential.

VI. *Zoology*.—One unit.

A full year's course in Zoology should include the study of the following topics:

(1) The general natural history—including general external structure in relation to adaptations, life histories, geographical range, relations to other plants and animals and economic relations—of common vertebrates and invertebrates so far as representative of these groups are obtainable in the locality where the course is given.

(2) The classification of animals into phylae and leading classes (except the modern subdivisions of the worms) and

the great characteristics of these groups; in the case of insects and invertebrates, the characteristics of the prominent orders. The teaching of classification should be by practical work, so as to train pupils to recognize animals and to point out the chief taxonomic characteristics. The meaning of species, genera and larger groups should be developed by constructive practical work with representatives of insect or vertebrate orders.

(3) The general plan of external and internal structure, not the anatomical minutiae, of one vertebrate (preferably frog or fish) in general comparison with human body; an arthropod (preferably a decapod); an annelid (earth worm or Nereis), a coelenterate (hydroid, hydra or sea-anemone); a protozoon (a ciliate) and amoeba when possible. In place of any of above types not locally available, there may be substituted a second vertebrate, an insect, a mollusk or an echinoderm.

(4) (a) The general physiology of above types. (b) Comparison of the general life-processes in animals and plants.

(5) The very general features of a sexual reproduction of a protozoon (preferably *Paramecium*); alteration of generations in hydroids; reproduction and regeneration of *hydra*; the very general external features of embryological development in a fish or frog.

(6) The prominent evidences of relationship, suggesting evolution, within such groups as the decapods, the insects and the vertebrates, should be demonstrated. A few facts indicating the struggle for existence, adaptation to environment, variations of individuals and man's selective influence should be pointed out; but the factors of evolution and the discussion of its theories should not be attempted.

A note book with carefully labeled outline drawings of the chief structures studied anatomically (Section 3), and the drawings mentioned under natural history (Section 1), with notes on demonstrations and in explanation of drawings is essential.

REQUIREMENTS FOR GRADUATION.

Two degrees are offered: The Bachelor of Arts (B.A.) and the Bachelor of Science (B.S.).

The work required for a degree is measured by the session hour; this means one class-room hour per week throughout the scholastic year. Three hours of laboratory work have the value of one session hour. The total of work required is sixty (60) session hours. Some of the work is prescribed; the other, elective. *Prescribed work must have precedence over elective.*

Without the consent of the Executive Committee, secured by written petition, no student may take more than sixteen (16) or less than twelve (12) session hours per week.

SCHEDULE OF PRESCRIBED WORK.

FRESHMAN.

B.A.	B.S.
English I.....3 hrs.	English I.....3 hrs.
*Mathematics A. and B.2 hrs.	*Mathematics A. and B.2 hrs.
*Latin A.....3 hrs.	*Physics I or Chemis-
Second Foreign Lan-	try I.....3 hrs.
guage3 or 4 hrs.	Foreign Language 3 or 4 hrs.
Bible I2 hrs.	Bible I.....2 hrs.

FRESHMAN OR SOPHOMORE.

**Mathematics I or II	Mathematics I or II
2 or 3 hrs.	2 or 3 hrs.
Latin II.....3 hrs.	History I or II...3 or 2 hrs.
History I or II...3 or 2 hrs.	

*If not presented for entrance.

**Mathematics II must be chosen by those who will not offer for graduation more advanced courses in Mathematics.

SOPHOMORE.

English II.....2 hrs.	English II.....2 hrs.
Science3 hrs.	Science3 hrs.
Second Foreign Lan- guage3 hrs.	Foreign Language.....3 hrs.

SOPHOMORE OR JUNIOR.

Additional course in Language or Litera- ture3 or 2 hrs.	Mathematics III.....3 hrs.
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JUNIOR AND SENIOR.

Philosophy I (a)....1½ hrs	Philosophy I (a)....1½ hrs
Science3 hrs	Science6 hrs
History III or Eco- nomics I.....3 hrs	History III or Eco- nomics I.....3 hrs

The candidate for the B.A. degree, who does not present Greek or German for entrance, must select *German* for the *Second Foreign Language*.

The candidate for the B.S. degree must present for graduation not less than six (6) hours in some one Science and not less than the equivalent of German I and II.

Nine (9) hours is the maximum count allowed to electives offered in Education.

All candidates for graduation must present the minimum of fifteen (15) hours in advanced courses. Advanced courses are those open in general to Juniors or Seniors.

Those wishing to take a degree must file a written application with the Executive Committee at the beginning of the first term of the year in which the degree is sought, and deposit with the Secretary, not later than March 1, a diploma fee of \$10.00.

CLASS RANK.

Students, other than special students, are rated as Freshmen, Sophomores, Juniors and Seniors. They are Freshmen until the completion of fifteen session hours

in College work; then, Sophomores until the completion of thirty session hours; then, Juniors until the completion of forty-five session hours; then, Seniors until graduation.

NOTE—All sub-Freshmen deficiencies must be absorbed before Junior rank can be attained.

GRADES AND EXAMINATIONS.

Grades are given by the term; however, no grade for the term will count towards a degree until all the work for the study has been successfully passed. Students are graded on their class work and on examinations. Class grade plus examination grade, divided by two, equals term grade.

Examinations are held during the last week of each term. The instructors may give as many unannounced written quizzes as the class work seems to demand. In grading examination and quizz papers, the English used will be considered.

The students who pass are divided into four groups: grade A denoting excellent standing; B, good; C, fair; D, passable. *In order to attain a degree the standing must be above D in at least half the work offered; the student must make an average of not less than C during Junior and Senior years.*

Those failing to pass are divided into two groups: grade E, conditioned; grade F, failure. Those graded E may have a chance for a second examination not sooner than three months and not later than one year; those graded F will have to take the study over again to get credit.

Re-examinations are held on the Monday preceding the opening of a term and on the Monday of the exam-

ination week. In order to be eligible to a second examination, the student must give evidence that he has done additional work in the study, must give at least a week's notice and secure the consent of the instructor concerned. *Under no circumstances will special re-examinations be given.*

ABSENCES.

Attendance at Chapel services is *required of all students in the College*, except such as are specially excused by action of the Executive Committee.

A student, who has been absent from any regular examination and has satisfied the Dean that his absence was due to serious illness or other unavoidable hindrance, is entitled to another opportunity at the term examination following; provided, he makes written request for the privilege at least thirty days before the time set.

A student is graded "0" when absent from a recitation or quizz without excuse. *Five unexcused absences will result in suspension.*

A student is graded "E" when absent from a recitation or quizz with excuse; such conditions may be removed by any method satisfactory to the Dean and to the professor in charge.

Absence from any exercise, Chapel or class, will be excused only for *urgent* reasons and satisfactory evidence must be *promptly* given to the Dean.

Only a student in good standing, who is doing work of passing grade in the minimum hours required, will be permitted to participate in public celebrations or allowed leave of absence to represent the College in

any capacity. A total of ten days is the maximum allowed on leave of absence to any student.

Students may be dismissed permanently from any class for neglect of work or other causes, when such action is recommended by the professor in charge and approved by the Executive Committee.

HONORS.

Students attaining grade A in any study for the year will be announced on Commencement Day for honors in that subject.

The first honor member of the Freshman class will be granted a scholarship for the Sophomore year. However, the candidate must do full Freshman work, and no grade can fall below C.

GRADUATE HONORS.

Special honors based upon scholarship will be given on graduation. These are given in two grades of distinction and are open to graduates who have not fallen below grade C in any study.

High Honors in any department are awarded to those who complete nine session hours in that department, five hours in kindred work and who submit a thesis, indicating individual research work in addition to requirements, all work of grade A; Honors, on the completion of the work as above, with no grade less than B and the major part of grade A.

Honors are awarded to those who have attained not less than grade B in fifty-four (54) session hours; High Honors to those who have attained grade A in thirty

(30) session hours and who offer no grade less than B. These distinctions are stated in the diplomas.

The Scholarship Medal will be awarded to the graduate making the highest general average; provided he has attended Polytechnic College not less than two scholastic years.

Students, who have done a portion of their work in other colleges, are eligible to special honors on graduation, provided they furnish satisfactory evidences of scholarship.

COURSES OF STUDY

BIBLICAL LITERATURE.—*Professor Browning.*

I. THE ENGLISH BIBLE.—This course is intended to give such general information of the Bible, its origin, its contents, its literature, as should be possessed by all intelligent people. The work required of the student will consist of indicated Bible readings, which will give a general knowledge of the entire book—the Old and the New Testaments. One leading thought will be kept before the pupil, viz., the divine method of saving the world. The class work will include lectures, recitations, map study and such parallel reading as may be necessary to a practical knowledge of the subject in hand. (2.) Section 1, W., F., 10-12, Section 2, W., F., 2-3.

II. (a) CHRISTIAN EVIDENCES.—This course offers to the pupil a knowledge of the evidences of the Christian faith. It considers in detail the grounds of modern doubt and, at the same time, gives answer to the arguments of the honest doubter. The purpose of the course is to establish firmly the faith of the pupil and to prepare him to withstand the assaults of unbelief. The course is adapted to all pupils desiring to become intelligent and active Christian workers. Open to Sophomores and Juniors. First term. (1½). T., Th., S., 1-2.

II. (b) PASTORAL THEOLOGY.—This course offers to young ministers and those preparing themselves for the ministry instruction in the preparation and delivery of sermons, and the general qualities necessary to ministerial success. The doctrines and polity of Methodism, as applied to the Methodist ministry, are emphasized throughout the course. Open to Sophomores and Juniors. Second term. (1½) T., Th., S., 1-2.

III. (a) THE HISTORY OF RELIGIONS.—This course gives a study of the prominent religions of mankind—their origin,

their moral qualities and their effect upon the thought of the world. It specially emphasizes the study of the Jewish religion to the advent of Christ. Open to Juniors or Seniors. First term. (1½) T., Th., S., 11-12.

III. (b) THE HISTORY OF CHRISTIANITY.—This course covers the history of the Christian church from the Advent to the present time. It gives special emphasis to the study of Christianity in America and to the study of Methodism as a distinct branch of Christianity. Open to Juniors or Seniors. Second term. (1½) T., Th., S., 11-12.

BIOLOGY.—*Professor Shuler.*

I.—A. BOTANY, Elementary.—This course is designed to give the student a general yet accurate knowledge of Botany as a science. Plant forms are progressively studied from the simplest organisms to those most highly specialized and complex. Fundamental outlines of morphology and classification are presented.

The second term's work is devoted to general plant morphology and physiology. It includes a study of life processes such as photosynthesis, transpiration, absorption and respiration; and a general morphological study of the spermatophytes. Plants are studied with a view to showing their biological, ecological, symbiotic and paleontological relationships. Texts: Coulter's *Plants*; Gray's *Lessons and Manual*. Laboratory manual: Caldwell's *Plant Morphology*. Elective for B. S. Sophomores and upper-class men in general. (3) T., Th., S., 11-12; Lab., F., 2-4.

II.—A. BOTANY, SPECIAL MORPHOLOGY OF THE THALLOPHYTES.—This course includes relationships, origin of the groups and morphology of the Algae and Fungi. Special attention is given to Fungi economically important as the cause of plant disease. Introductory lectures upon bacteria and their soil relations are given. Text: Campbell's *University Text*. Laboratory manual: Caldwell's *Plant Morphology*. Prerequisite Biology. I.—A. Elective for Juniors or Seniors. (3) T., Th., S., 1-2; Lab., F., 2-4.

II.—B. ZOOLOGY, INVERTEBRATE.—This course includes a study of well selected types of invertebrate animals. It is intended to familiarize the student with biological characters, classificatory laws and general principles. Special attention is given to morphology, distribution, habits, life history and development. Typical animals are dissected and drawings made. Text: Osborn's *Economic Zoology*. Manual: Drew's *Invertebrate Zoology*. Elective for B. S. Sophomores and upper-class men in general. (3) T., Th., S., 2-3; Lab., F., 10-12.

II.—B. ZOOLOGY, VERTEBRATE.—Well selected vertebrates are progressively studied and typical specimens dissected. The course includes general morphology, life histories, adaptations and relationships of the vertebrates. Texts: *The Biology of the Frog* by Holmes; Osborn's *Economic Zoology*. Manual: Pratt's *Vertebrate Zoology*. Open to Juniors or Seniors. Prerequisite Biology I.—B. (3) T., Th., S., 9-10; Lab., F., 10-12.

NOTE.—The work in all courses in Biology is divided nearly equally between the lecture and laboratory. Cogent scientific thinking, diagrammatically accurate drawing and precise, expressive description is the goal sought.

In the courses outlined, both in Botany and in Zoology, special emphasis is placed upon the economic importance of the groups studied. The effort is to stress the practical as well as the theoretical and cultural. Of two forms of equal scientific value, that is taken which has the largest human interest and affects most largely human life.

CHEMISTRY.—*Professor Shuler.*

I. (a) GENERAL CHEMISTRY.—The course offered here includes the most important laws in chemical action as well as the properties of the elements. The instruction is given by quizzes, lectures and demonstration. Laboratory work must be recorded in a note book and handed in for inspection. Each student is supplied with locker and apparatus needed for doing good work.

(b) THEORETICAL CHEMISTRY.—This course will follow (a), will deal with the laws that govern chemical action and will prepare the student for chemical analysis. Special attention will be given to the theory of ionization. Open to Freshmen or Sophomores. (3) T., Th., S., 10-11; Lab., W., 2-4.

II. ANALYTIC CHEMISTRY.—One-half of the year will be devoted to quantitative analysis and one-half to qualitative analysis. Six hours of laboratory work a week will be required. Course I is prerequisite. Open to B. S. Sophomores and upper-class men in general. (2) W., 10-12; individual hours arranged to suit convenience.

III. ORGANIC CHEMISTRY.—This will introduce the study of carbon and its compounds. The course will be made both scientific and practical. In addition to the usual work in an elementary course in inorganic chemistry, many common articles of food will be studied. Six hours laboratory work will be required per week. Course I is prerequisite. Open to B. S. Sophomores and upper-class men in general. Not given in 1910-11.

ECONOMICS.—*Professor Hearon.*

I. THE PRINCIPLES OF ECONOMICS.—This course has in purpose the systematic exposition and application of fundamental principles. The intimate connection between theory and practice is stressed. The study of principles is preceded by a rapid survey of social development and followed by their application to the economic problems of today. Text-books; lectures; extensive collateral work. Open to Juniors and Seniors. (3) T., Th., S., 10-11.

II. SOCIOLOGY.—The purpose of this course is to train students in the investigation of social life, the analysis of facts and the solution of social problems. The first term is given to a study of society with respect to its origin, its elements and its functions; the second term is devoted more to the study of social conduct, the causes and correction of social evils. The work will close with a series of lectures on the social teachings of Jesus Christ and the mission of the church

from a sociological standpoint. Individual and class reports based on personal investigations are prominent features of the work. Open to Juniors or Seniors. (2) W., F., 2-3.

EDUCATION.—*Professor Bryant.*

The work in Education is designed to give professional training to students preparing to teach. Graduates, who complete four full courses (12 hours) in Education, will receive a life certificate from the State Department of Education. Regular students, who complete four full courses and one course in Education, will receive a two years' State Certificate.

I. (a) SCHOOL MANAGEMENT.—A study of the daily practical questions and the principles underlying management, discipline and instruction in school. Devices of management measured by these principles. Relation of the teacher to students and to patrons. The important portion of the school laws of Texas will be studied. Text-book used as guide; collateral readings; brief papers and reports. First term. (1½) T., Th., S., 3-4.

I. (b) METHOD AND PRINCIPLES OF TEACHING.—A study of scientific method in teaching; an effort to discover and to apply the fundamental laws of the teaching process; students taking this course visit classes and make reports on various methods observed. Text-books; readings; thesis. Second term. (1½) T., Th., S., 3-4.

Open to Full Freshmen, to mature Conditioned Freshmen offering twelve units, or to certain Special Students of mature age. But no student presenting less than twelve entrance units will be recommended for a Teacher's Certificate.

II. PSYCHOLOGY OF EDUCATION.—The first term is devoted to a study of the fundamental principles of psychology. The second term will embrace a special study of those phases of psychology that throw light upon the teaching process; the child mind, adolescence, the nervous system. A few simple class room experiments. Text-books; collateral readings;

thesis. Open to Juniors and Seniors and to Sophomores who have completed Education I. (3) W., F., S., 9-10.

III. HISTORY OF EDUCATION.—A survey of educational developments from the earliest times; leading educators of the periods; special emphasis to modern educational development; research work. Text: Monroe's *History of Education*. Open to Juniors and Seniors. (3) T., Th., S., 11-12.

IV. (a) CHILD STUDY.—A systematic study of the physical and mental development of the child; special attention to those periods of growth that fall within the school age. The aim is to gain insight into child nature. Individual investigation. First term. (1½) W., F., 1-2. Supplementary work arranged to suit individual convenience.

IV. (b) PROBLEMS AND PRACTICE.—A study of the most important educational problems—broader than those of the individual teacher. In this course students do systematic visiting and practice teaching under observation of experienced teachers. The aim is to harmonize theory and practice. Abstracts, reports, individual conferences, thesis. Second term. (1½) W., F., 1-2. Supplementary work arranged to suit individual convenience.

Course IV is open to Seniors who have completed two courses in Education, including Course II.

NOTE.—A course on School Supervision and Administration may be given instead of IV (a), if the class elects.

ENGLISH.—*Professor Sigler.*

I. COMPOSITION AND RHETORIC.—The general theory of Rhetoric reviewed, followed by a special study of the larger forms of discourse. Bi-weekly themes, with four longer efforts, will be required. Weekly conferences for personal criticism of themes. Liberal reference to Genung and other authorities. Texts: Cairn's *The Larger Forms of Discourse* and Berkeley's *A College Course in Writing From Models*. (3) Section 1, T., Th., S., 11-12; Section 2, T. Th., S., 2-3.

II. (a) LITERATURE.—This work includes, first, a general outline review of the history of English Literature based

on Crawshaw's *The Making of English Literature*; second, an introduction to the principles of poetry, with a study and interpretation of representative masterpieces. Text: Gayley and Young's *Principles and Progress of Poetry*; collateral library readings and reports. First term. (1) W., F., 1-2.

II. (b) FICTION.—This work comprises the history of fiction, its nature and forms. Representative novels and romances are studied and analyzed. Text: Hamilton's *Materials and Methods of Fiction*; collateral library readings and reports. Second term. (1) W., F., 1-2.

III. (a) CRITICISM AND THE VICTORIAN POETS.—Special attention is given to Tennyson and Browning. Text: Winchester's *Principles of Literary Criticism*; extensive parallel readings in library; reports and critiques. Open to Juniors and Seniors. First term. (1½) T., Th., S., 1-2.

III. (b) THE DRAMA.—A study of its development, nature and technic; special attention will be given to the Shakespearean drama; class study is given to *Hamlet*, *Othello*, *Lear* and *Macbeth*; some attention to the comedies. Text: Woodbridge's *The Drama, Its Law and Technic*; collateral library readings and reports. Open to Juniors and Seniors. Second term. (1½) T., Th., S., 1-2.

IV. (a) OLD ENGLISH.—A study of its grammar and the reading of easy prose and poetry. Text: Bright's *Anglo-Saxon Grammar and Reader*, supplemented by selected readings. For Juniors and Seniors. First term. (1½) T., Th., S., 3-4.

IV. (b) The Middle Period is covered by a historical study of the development of Modern English and closes with a study of Chaucer, his times and works: *The Prologue*, *The Knight's Tale*, *The Man of Law's Tale* and *The Nun's Priest's Tale*; collateral readings from Emerson's and Lounsbury's *Histories of the Language*, and from Brooke's *History of Early English* and *Ten Brink*. For Juniors and Seniors. Second term. (1½) T., Th., S., 3-4.

V. AMERICAN LITERATURE.—An outline study of the history of American Literature from the earliest times; special attention is given to its relation to English Literature, to

its national and sectional development, and to present tendencies; an intensive study is made of the chief American poets. Texts: Simond's *History of American Literature* and Page's *Chief American Poets*; collateral library readings and reports. For Juniors and Seniors. (2) W., F., 2-3.

FRENCH.—*Professor Myatt.*

I. Fraser and Squair's *French Grammar*; Super's *Preparatory French Reader*; *La Cigale Chez les Fourmis*, *L'Abbe Constantin*, *Le Voyage de M. Persichon* or other easy French reading; composition, dictation, pronunciation. (3) T., Th., S., 2-3.

II. Selections from modern and classic literature; the *Romantic School*; Victor Hugo's *Ruy Blas* or *Hernani*; De Bornier's *Le Fille de Roland*; Daudet's *Les Lettres de Mon Moulin*; Merimee's *Colomba*; Sand's *Le Mare au Diable*; *French Lyrics* (Bowen); Racine's *Athalie*; Moliere's *Le Bourgeois Gentilhomme*; composition, dictation, sight reading. (3) W., F., 3-4; S., 9-10.

III. Readings from the literature of the Eighteenth and Nineteenth Centuries. Selections from Voltaire, Montesquieu, Beaumarchais, St. Beuve, Alfred de Musset, Victor Hugo, Balsac, George Sand; a study of French idioms; composition; essay writing; lectures on the period. (3) Hours to be arranged.

GEOLOGY.—*Professor Boon.*

I. GENERAL GEOLOGY.—This course will cover dynamic, structural and historic geology, devoting about one-half of the time to the latter division; field excursions. Text: Scott's *Introduction to Geology*. Open to Sophomores and upper-class men. (3) T., Th., S., 2-3.

GERMAN.—*Professor Webb.*

I. ELEMENTARY.—This course covers the usual work of the first and second years in German, and comprehends grammar, reading, composition and conversation; special attention

is given to pronunciation, cognates, word-order and idiomatic rendering of German into English; from 250 to 300 pages are read from such writers as Gerstaecker, von Hillern, Storm and Heyse. (4) T., W., Th., F., 9-10.

NOTE.—Students, who apply this course to a deficit on entrance may receive two units of credit therefor.

II. INTERMEDIATE.—A review of the more difficult parts of grammar; composition; conversation; an elementary inquiry into meter and style; a careful reading and study of about 400 pages from selected works by Zschokke, Bernhardt, Freytag and Schiller. (3) T., Th., S., 3-4.

III. ADVANCED.—The masterpieces of Lessing, Goethe and Schiller; the history of German Literature, especially that of the age of Frederic the Great, will be studied; the technique of the drama is presented in German; the exercises in composition are largely critical. (3) T., Th., S., 1-2.

GREEK.—*Professor Bishop.*

I. HOMER'S *Iliad*, Books I-III; Lysias, *Selected Orations*; sight reading. (3) T., W., F., 9-10.

II. PROSE COMPOSITION.—This course is open to Freshmen or Sophomores, and is required of those who expect to get recommendations to teach Greek. (1) W., 3-4.

III. PLATO, *The Apology and Crito*; Euripides, *Medea* and *Alcestis*; sight reading. (3) T., Th., S., 3-4.

IV. DEMOSTHENES, *Phillipics*; Sophocles, *Oedipus Tyrannus* and *Antigone*; Aeschylus, *Prometheus*; sight reading; Greek literature. (3) Hours to be arranged.

HISTORY.—*Professor Hearon.*

I. HISTORY OF WESTERN EUROPE.—This course is general in the main; however, certain periods are stressed, especially the Middle Ages and the Nineteenth Century. The work is based upon Robinson's *History of Western Europe*, the two-volume edition of Robinson's *Readings*, Adam's *Civilization During the Middle Ages* and Dow's *Atlas of European History*. Lectures, assigned readings and individual reports. Required

of all who do not present Mediaeval and Modern History for entrance, and can be taken in Freshman or Sophomore year. (3) W., F., S., 11-12.

II. HISTORY OF ENGLAND.—The social and political development of England is stressed. Important documents are carefully studied. Text-books: Cheyney's *History of England*; Cheyney's *Social and Industrial History of England*; Cheyney's *Readings in English History*. Lectures and topic work. Required of those who do not take History I. (2) W., F., 10-11.

III. HISTORY OF THE UNITED STATES.—While an effort is made to emphasize the various phases of American life, particular attention is given to social and political development and activities. Important documents are carefully considered. Basis of work: Thwaite's *Colonies*; Hart's *Formation of the Union*; Wilson's *Disunion and Reunion*; Hart's *Contemporaries*; McDonald's *Charters, Documents and Statutes*; lectures; individual studies. For Juniors or Seniors. (3) T., Th., S., 2-3.

IV. COMPARATIVE POLITICS.—This course traces the development of government and its functions through the periods of the past and closes with a parallel study of the most significant states; United States, England, Germany, France and Switzerland. Prerequisite: History III. Open to Seniors. (2) W., F., 10-11.

LATIN.—Professor Bishop.

A. Virgil's *Aeneid* (Books I-VI); sight reading; Allen and Greenough's *Latin Grammar*. (3) T., Th., S., 10-11.

I. PROSE COMPOSITION.—This course is open to Freshmen or Sophomores, and is required of those who expect to get recommendations to teach Latin. (1) F., 3-4.

II. CICERO, *De Amicitia*; Livy, Books XXI., XXII.; *Select Letters of Pliny*; sight reading. Topics suggested by the texts are made supplementary to the above work. T., Th., S., 2-3.

III. TACITUS, *Agricola and Germania*; Horace, *Odes*,

Epodes and *Satires*; sight reading; collateral work is also required in Roman Literature and Roman Life. (3) W., F., 11-12; Th., 9-10.

MATHEMATICS.—*Professor Sewell.*

A. SOLID GEOMETRY.—This course is given each term; special emphasis is placed upon problems of computation and the practical applications of geometry; most of the demonstrations and problems are illustrated by means of material solids and planes; regular note book work is required. First term. (1) W., F., 9-10; second term, W., F., 11-12.

B. PLANE TRIGONOMETRY.—Emphasis is placed upon the development of formulas and the solution of identities; due attention is given to the practical application of the subject to surveying, and to its importance in further mathematical work; given in each term. First term (1) W., F., 11-12; second term, W., F., 9-10.

I. (a) ALGEBRA.—A study of advanced Algebra, dwelling mainly upon the subjects of Determinants, Theory of Equations, Complex Numbers, Partial Fractions, etc. Text: Hawkes. First term. (1) W., F., 10-11.

I. (b) SPHERICAL TRIGONOMETRY AND SURVEYING.—The first five or six weeks is devoted to Spherical Trigonometry, covering the development of the principal formulas and touching upon their application to Geodesy and Astronomy; the remainder of the term is given to Surveying; the work in this is mainly theoretical, but each student is expected to spend about two hours a week in field work and thereby to become familiar with the practical use of the compass and transit. Second term. (1) W., F., 10-11.

II. ALGEBRA.—About half the year is spent in an advanced study of the subjects ordinarily treated in High School algebra; special emphasis is placed upon the discussion of the fundamental principles involved in the various operations; this presupposes a knowledge of the principal operations embodied in the High School algebra, in order that the time may be spent in a deeper study of the principles involved; the remainder of the year is spent in an extended study of such

subjects as Functions, Graphs, Series, Complex Numbers, Determinants, Theory of Equations, Continued Fractions, etc.; this course is not prerequisite to Analytics or Calculus; yet it prepares the student for much better work in these subjects. (3) T., Th., S., 1-2.

NOTE.—Only two (2) hours' credit is allowed to those who have credit for Mathematics I (a).

III. ANALYTIC GEOMETRY.—This is a thorough course in Elementary Plane Analytics, and an introduction to Solid Analytics, embodying Cartesian and polar co-ordinates, transformation, straight line, circle, problems in loci, conic sections, diameters, tangents and normals, planes and quadric surfaces. Attention is given to the relation of Analytics to Algebra and to Plane Geometry, and its importance in further mathematical work. This course is prerequisite to IV. Open to Sophomores or Juniors. Text: *Tanner and Allen*. (3) T., Th., S., 11-12.

IV. CALCULUS.—This course includes both the Differential and Integral, and emphasizes the "working knowledge" of the Calculus rather than the discussion of its theory. The work of Integral Calculus will be confined to a study of the elementary forms of integration and their ordinary application to lines, surface and solids. This course is elective for Juniors or Seniors. Text: *Osborne*. (3) T., Th., S., 10-11.

V. DESCRIPTIVE ASTRONOMY.—This course is open to Juniors and Seniors. The work is mainly descriptive and does not involve the solution in detail of mathematical problems, except those of most general interest. Text: *Young's General Astronomy*. (2) W., F., 1-2.

PHILOSOPHY.—*Professors Bryant and Browning.*

I. PSYCHOLOGY.—The aim is to give a general view of psychological facts. Recitations, lectures, thesis, reports. Texts: *Angell's Psychology*; assigned readings in other texts. For Juniors or Seniors. First term. (1½) W., F., S., 9-10.

II. (a) LOGIC.—Prerequisite Course I. The Object of this course is to develop clearness and accuracy in thinking.

The factors of present day thinking are analyzed from a popular as well as a scientific standpoint. The basis for the work: Creighton's *Introductory Logic*. Lectures, discussions, exercises. First term. (1) W., F., 3-4.

II. (b) ETHICS.—The general object of the course is to give the student an appreciation of the moral situation. This includes a definition of the moral problems, the analysis of ethical theories and tendencies and method for dealing with the problems and theories. Text: Mackenzie's *Manual of Ethics*. Recitations, discussions, thesis. Second term. (1) W., F., 3-4.

PHYSICS.—*Professor Boon.*

I. ELEMENTS OF PHYSICS.—This course includes the properties of matter, light, sound and electricity. While the work is not technical it is not as elementary as the common High School course. In connection, the student will be required to perform forty or more individual experiments, most of which will be quantitative. A neat, accurate record of these experiments must be turned in at the end of the year. (3) T., Th., S., 10-11; Lab., W. or F., 2-4.

II. GENERAL PHYSICS.—This course consists of lectures, recitations and laboratory practice. The strongest endeavor is made to inculcate correct physical conceptions and to encourage the habit of accurate thought and expression. The lectures are illustrated by numerous experiments. Exercises and problems are assigned in order to develop the student's reasoning powers and to make the subject disciplinary as well as instructive. The laboratory experiments are quantitative in character, and the object is both to familiarize the student with physical phenomena and laws and to enable him to acquire skill in manipulation and in the habit of reasoning from observed facts. Open to B. S. Sophomores and upper-class men in general. (4) T., Th., S., 9-10; Lab., W. or F., 10-12.

III. (a) THEORY OF LIGHT.—This course will cover the subject as found in Edser's *Light for Students*, and will be accompanied by experiments measuring the angle of prisms, index of refraction, angle of total reflection, polarization, ro-

tation of the plane of polarization, length of light waves, velocity of light, astigmatism, etc.

(b) MAGNETISM AND ELECTRICITY.—This will follow (a) and will be an advance course in the study and measurement of magnetism and electricity. Open to Juniors or Seniors.
(3) T., Th., S., 11-12.

PUBLIC SPEAKING.

I. VOCAL EXPRESSION.—The purpose of this course is to train in natural and forceful expression; it will include interpretation and delivery of public addresses, as well as good form in reading. Open to all students; especially recommended to those who intend to enter the preliminaries for Oratory or Debate. Mrs. Phelan. (1) Section 1, S., 9-10; another section will be arranged for if necessary.

II. ARGUMENTATION.—A study of its principles and practices. Preparation of briefs and forensics; conferences for individual instruction. Some attention given to debating. English I a prerequisite. Text: Foster's *Argumentation and Debate*. Professor Sigler. (1) W., 10-11.

III. CONSTRUCTIVE ORATORY.—The course includes a study of the special rhetoric of the oration, an analysis of some standard orations and the preparation and delivery of original ones. Argumentation should precede or must be taken in conjunction. Text: Shurter's *Rhetoric of the Oration*. Professor Sigler. (1) F., 10-11.

IV. DEBATE.—In the form of a debate an intensive, as well as extensive, study will be made of some public question. The essential features will be emphasized; attack and defense, choice of material, rebuttal, stage presence, etc. Argumentation should precede or must be taken in conjunction. Professors Sigler and Hearon. (1) Hour to be arranged.

SPANISH.—*Professor Myatt.*

I. ELEMENTARY SPANISH.—Grammar, reading, composition and conversation. This course combines the usual first and second years work as given in secondary schools. From 400 to 500 pages of moderately difficult prose and easy poems are read from such authors as Asensi, Alarcon, Galdos, etc. (4) T., W., Th., F., 9-10.

NOTE.—Students who apply this course to a deficit on entrance may receive two units of credit.

II. INTERMEDIATE.—A study is made of the recent novelists and dramatists; history of Spanish literature, with reference to Ticknor; Ramsey's *Spanish Grammar*; composition; class exercises in Spanish. (3) T. Th., S., 3-4.

III. THE GREAT CLASSIC WRITERS.—Lope de Vega, Calderon de la Barca, Cervantes; History of Spanish literature; Ramsey's *Spanish Grammar*; essays and reports in Spanish based on text reader. (3) T., Th., S., 1-2.

PREPARATORY SCHOOL

FACULTY

H. A. Boaz, M. A., D. D.....	<i>President</i>
J. E. Willis, M. A., Principal.....	<i>English</i>
W. J. B. Buttrill, B. A.....	<i>Mathematics</i>
Chester Johnston, B. S.....	<i>History, Science</i>
J. W. St. Clair, B. S.....	<i>Latin</i>
Mrs. K. C. Mister.....	<i>Grammar, Mathematics</i>
W. F. Ledlow.....	<i>Greek</i>

GENERAL STATEMENT

PURPOSE OF THE SCHOOL.

The purpose of the Preparatory School is two-fold: first, it is to prepare students for College work in Polytechnic or any other first class College or University; second, it is to provide a first class secondary education for students who do not expect to take a College course.

DISCIPLINE.

It is the aim of the Faculty to maintain such discipline as will best train students to become self-governing, responsible citizens. As few "rules" are made as possible. Students are regarded as ladies and gentlemen, and are expected to deport themselves accordingly. This demand is made by the student-body as well as by the Faculty. There are a few regulations

governing both resident and boarding students, others applying to boarding students only. Students twenty-one years old are regarded as resident students, unless request is made otherwise. Special privileges may be granted to such students as prove themselves worthy of them.

RESIDENT AND BOARDING STUDENTS.

All students are required to attend chapel and will spend their study periods in the study hall, unless permanently excused by the Principal.

Students absent from class, study hall or chapel, must, *before being re-admitted*, secure a written excuse countersigned by the Principal. Otherwise they will be demerited for such absence.

Smoking cigarettes is prohibited.

Only students in *good standing* who are doing *satisfactory work*, as defined by the Faculty, may obtain leave of absence to represent the school in any capacity, and such absence shall not exceed five school days in any term.

BOARDING STUDENTS.

All students will be required to board in the dormitories. Special permission to board in a private home may be obtained *only from the preparatory Faculty*. Urgent reasons must be presented before such request will be granted.

Students are not to be away from Polytechnic Hill at any time without permission, except to go to the city on Mondays, from noon till five-thirty o'clock.

Upon entering school, students thereby pledge themselves not to be absent from their premises at night with

out permission, except on Saturday and Sunday nights till nine o'clock.

Students are expected to attend Sunday-school and Church on Sunday. They will make out on printed forms individual reports each month, in which they report absence from school, visits out of the city, attendance at Church, etc. Parents may secure copies of these reports upon request.

Students are regarded as under the regulations as soon as they come to Polytechnic Hill at the opening of each term.

No student will be honorably dismissed, who leaves school without permission from the Principal, except for urgent reasons, in which case he must notify the Principal immediately.

ADMISSION.

Applicants from affiliated or approved schools will be admitted or may be given advanced standing upon the presentation of certificates from these schools indicating the amount and character of work done in each subject. Prospective students are urged to write to the Secretary for blanks to be filled out by their former instructors. All entrance credits given upon work done elsewhere are made conditional upon the satisfactory completion of courses pursued in this school.

Certain students of mature age may be admitted without examination upon individual approval by the Principal. All others will be required to take examination for entrance or for advanced standing.

It is important that students be here on the regular entrance examination days.

The entrance examinations will be held in 1910-11, as follows :

Tuesday, Sept. 6, 8 o'clock, Mathematics, Room 8.

Tuesday, Sept. 6, 10 o'clock, Latin, Room 8.

Tuesday, Sept. 6, 2 o'clock, English, Room 7.

Tuesday, Sept. 6, 4 o'clock, History, Room 7.

Tuesday, Sept. 6, 4 o'clock, Civics, Room 7.

Other subjects on Wednesday, Sept. 7, at 8 o'clock, Room 8.

This schedule will be repeated on Sept., 12, 13, and on Jan., 23 and 24.

No other examinations for entrance or for credits will be given during the year, except upon payment of a special examination fee of one dollar.

Students from other schools must present certificates of honorable dismissal before they can enter here. *This will be rigidly enforced.*

To be prepared for the first year's work, students should have had work about as follows :

A good drill in Grammar and Arithmetic, completed Geography; Elementary U. S. History and Texas History, Elementary Physical Geography and Physiology.

This corresponds to the seventh grade work in first class High Schools. No student will be admitted who has not had the History, Grammar and Arithmetic above.

COURSE OF STUDY.

The full Preparatory Course is the completion of fourteen units, meeting the College entrance requirements. Diplomas will be awarded to those who complete the full course. Students may be admitted to the College upon the completion of a smaller number of units as provided on page 26.

For the value of the courses in entrance units, see pages 28-41.

Students will be classified according to their advancement in each subject, but students of irregular advancement must co-ordinate their courses as soon as possible.

Unless otherwise specified, all classes meet five times a week, recite forty-five minutes and continue through the entire year.

ENGLISH.

1. ENGLISH GRAMMAR.—Pursued topically. Text: Sisk's *Grammar as a Science*. In addition, drills in grammatical forms and in good usage of words. Buehler's *Practical Exercises in English*.

2. (a) RHETORIC AND COMPOSITION.—Informal composition is made part of class work at the beginning of this study. The subject is viewed broadly and treated as a whole, then studied in detail. The steps from informal to formal composition are made natural and easy.

Special effort is used to make the subject practical. Assignment of written work illustrative of the principles underlying good composition is regular and frequent. Text: Merkle's *Modern Rhetoric*.

(b) LITERATURE.—Entrance requirements in the English classics. For study and practice: *Pilgrim's Progress*, Part I; George Eliot's *Silas Mariner*; Irving's *Sketch Book*. For careful reading: Thackeray's *Henry Esmond*; Shakespeare's *Twelfth Night*.

3. (a) LITERATURE.—Entrance requirements in the English classics. For study and practice: Burke's *Speech on Conciliation*; Carlyle's *Essay on Burns*; Shakespeare's *Macbeth*; Milton's *Lycidas*, *Comus*, *L'Allegro* and *Il Penseroso*. For careful reading: Shakespeare's *Henry V*; Goldsmith's *Deserted Village*; De Quincey's *Joan of Arc* and *The English Mail Coach*; Tennyson's *Gareth and Lynette*, *Lancelot and Elaine* and *The Passing of Arthur*; Poe's *Poems*

(b) COMPOSITION.—Exercises will be based on the course in Literature mentioned above. Students will use for reference Woolley's *Handbook of English Composition*. Four hours.

GREEK.

1. White's *First Greek Book*; Goodwin's *Greek Grammar*; Pearson's *Greek Prose Composition*.

2. Goodwin & White's *Xenophon's Anabasis*, Book I-IV; Goodwin's *Greek Grammar*; Jones' *Greek Prose Composition*. Four hours.

HISTORY.

1. ENGLISH HISTORY.—Coman & Kendall's *Short History of England*; Kendall's *Source Book of English History*. Outline and map drawing.

2. UNITED STATES HISTORY.—Adams & Trent's *History of the United States*; Hart's *Source Book of American History*. Not open to first year students. Prerequisite, an elementary course in United States History. This course will run through the year, but either term may be taken independent of the other.

3. SEC. (A) ANCIENT HISTORY.—West's *Ancient History*; Botsford's *Story of Rome*. Map drawing, outlines, written work. Open only to students who have had English II or its equivalent. Four hours.

SEC. (B) GENERAL HISTORY.—Meyer's *General History* (revised). This is designed to meet the demand of those who prefer a general course to the Ancient History, and for those preparing for teachers' certificates. The grade of work and the credit is the same as for Section (A). Four hours.

CIVICS.—Ashley's *American Government*. Collateral reading, current news; special course in Texas government. First term.

BIBLICAL HISTORY.—A course in Biblical History will be offered by Professor Browning for ministerial students in the Preparatory School. Three hours.

LATIN.

1. BENNETT's *Foundations of Latin*. Gradatim.
2. CAESAR, Books I-IV; Grammar for reference work; Latin composition; Nepos or Sallust.
3. CICERO, six orations. Composition.
4. VIRGIL, Books I-IV. Composition. (See Latin A, Page 57.

MATHEMATICS.

1. ARITHMETIC.—A short review will be given of common fractions, decimals and compound numbers, with reference to underlying principles often overlooked. Most of the year will be spent on the applications of percentage, interest and mensuration. Analysis emphasized throughout. Drill work on "short cuts" and rapid calculations. Text: Colaw and Ellwood.

2. ALGEBRA.—This course covers the work of Wentworth's *New School Algebra* to quadratics, special stress being placed upon factoring.

3. ALGEBRA.—This course begins with a review of factoring, fractions and simple equations, using for a text Wells' *Algebra for Secondary Schools*. Most of the year is spent on quadratics, proportion, series, etc., completing the book. Four hours.

4. PLANE GEOMETRY.—This course completes Plane Geometry, including much work in originals and numerical problems. Text: Shutt's *Plane Geometry*. Four hours.

GERMAN.

1. Elementary grammar; not less than 150 pages of reading. Bacon's *German Grammar*.

2. Grammar completed; exercises in composition, about 200 pages of reading.

SPANISH.

1. Elementary grammar; not less than 150 pages of reading.
2. Grammar completed; 300 pages of reading; prose composition and conversation.

SCIENCE.

PHYSICAL GEOGRAPHY.—Text: Davis's *Elements of Physical Geography*. Notebook and map work. First term.

PHYSIOLOGY.—Colton's *Elements of Physiology*. Laboratory work; notebook and drawings. Second term.

BOTANY.—A course designed to give an elementary knowledge of Botany. The first term will be a study of plants, their parts and relations, while the second term will take up plant analysis and classification of plants found in the vicinity. Microscopic and laboratory work and notebook. Text: Bergen's *Elements of Botany*.

THE WEATHERFORD SCHOOL

The Polytechnic College will maintain a Preparatory School at Weatherford, Texas. Patrons who prefer to send their sons to a smaller town, will find at Weatherford a duplication of our Preparatory School, with a boarding department for boys—a strong faculty, and the same course of study as above.

Further information gladly furnished upon request.

SCHOOL OF FINE ARTS

POLYTECHNIC

FORT WORTH

WEATHERFORD

FACULTY

Rev. H. A. Boaz, M.A., D.D., *President.*

Wilbur MacDonald, *Director.*

Andrew Hemphill, *Voice.*

Guy R. Pitner, *Piano.*

George L. McMillan, *Piano.*

Mrs. George L. McMillan, *Art.*

Clyde Whitlock, *Violin.*

Miss Iva May White, *Voice.*

Mrs. Charles Tidwell Phelan, *Expression.*

George Weiler, *Piano.*

Josef Rosenfield, *Violin.*

Miss Jessie Stephens, *Art.*

Miss Pearl Hatchett, *Art.*

Marvin Edwards, *Voice.*

Miss Vivian Yantis and Assistants, *Piano.*

GENERAL STATEMENT.

The School of Fine Arts is an integral part of Polytechnic College, yet it is a separate and a distinct school within itself, having its own faculty and directing its own policy.

It is not, in any sense of the expression, a "Society Finishing School," for its standards are too high and its

purpose too serious to cater to such a low estimate of its educative value. A well rounded education is considered essential to real artistic development; the world today is in need of men and women who have built on a solid foundation; therefore, a carefully planned literary course is demanded in connection with all courses. It is evident that there has been too much attention paid to *surface* polish and too little to the foundation. It is the purpose of the School, in all of its departments, to emphasize the foundation work and this done, to build, surely if slowly, the structure of artistic excellence.

Our departments are presided over by teachers who are specialists in their individual lines of work. There is no over-crowding of classes, each pupil being given special attention.

The general atmosphere of Texas is, as yet, not ripe for turning out artists of a finished nature, except in cases of most extraordinary talent in the individual pupil. The advantages to hear and see are too limited. Nevertheless, the School, being located in a city of importance and visited by most of the greater artists and musical organizations, is most fortunate in being able to surround its pupils with an artistic atmosphere far superior to that of the schools situated in the smaller cities. True art is more or less a question of absorption; and as a matter of fact, there is, in most places, all too little to absorb. Since such artists as Myrtle Elvyn, Kubelik, Ellen Beach Yaw, Savage Opera Company, The New York Symphony Orchestra and Soloists, The Chicago Symphony Orchestra and Soloists, Mme. Blanche Marchesi and others have appeared in Fort Worth, during the past two seasons, it will be plainly seen that

this School enjoys an environment favorable to high artistic development.

The courses of study in the various departments are based upon the completion of seven divisions, three in the Academy and four in the College, which mature and gifted students can accomplish in four years by hard work.

The three divisions of the Academy will cover all of the elementary work of preparation. The first division of the College will be known as the Freshman; the second, as the Sophomore; the third, as the Junior or High School; the last, as the Senior or Artists' Class.

GENERAL RULES.

1. No student will be allowed to enter the College of Fine Arts for less than one term of instruction. See page 19 for rules governing refunds and due bills.

2. Pupils will be required to take an average of fifty hours' work per week, the course left to the discretion of the teacher.

3. In order to rank as full Freshman in the College of Fine Arts, one must pass or show certificates of having passed, the equivalent of a High School course. Pupils, who are capable of doing the work required in the College division and are not deficient more than four (4) literary units, will be rated as Conditioned Freshmen; but these deficiencies must be made up before the Junior division can be entered.

4. The advancement of pupils will depend solely upon monthly averages and quarterly examinations, in which a general average of B Plus is required.

5. Certificates of other schools will be accepted purely upon merit.

6. Only lessons missed on account of protracted illness will be made up or discounted.

7. All misdemeanors of the boarding student will take count on monthly averages.

8. A special course for non-resident pupils can be satisfactorily arranged.

9. The teachers will not be *required* to hear lessons unprepared through *carelessness*, but same will be counted as given.

TIME ESTIMATES.

Estimates of time required for the preparation of the subjects embraced in the courses offered by this department:

Piano: Two to six hours' daily practice; total per week (six days), 12 to 36 hours.

Voice: One-half hour (beginners) to two hours daily practice; total per week, 3 to 12 hours.

Violin: Two to six hours daily practice; total per week, 12 to 36 hours.

FIRST DIVISION—Harmony: One hour's preparation daily; total per week, 6 hours.

Composition: Two hours' preparation daily; total per week, 12 hours.

Art: At least one hour's practice in the studio, under the assistant teachers on all days except lesson days; total, not less than 4 hours.

Musical History: One-half hour's preparation daily; total per week, 3 hours.

PIANO.

Mr. MacDonald.

Mr. Pitner.

Mr. Weiler.

Miss Yantis.

Mr. McMillan.

And Assistants.

The Piano Department is founded upon the most modern and scientific principles of piano teaching. It strives not merely to train the fingers toward fleetness and pyrotechnical display, but rather to train the mind to become the master.

The work of the students is so planned as to develop an intelligent conception of the works of the great composers in all styles and, at the same time, enable them to gain that variety of touch and skill necessary for artistic performance.

To accomplish these results, such exercises, etudes and pieces are given as will meet the *individual* need. In the use of exercises and etudes the measure of value will be, not their quantity, but their power to correct, improve and establish the mechanical and mental habits of the pupil.

A true conception of music is that it is a *tone language* having *grammatical* form and expressing *thought* and *feeling*; hence players fail until they succeed in entering fully into the *meaning* of the compositions studied and *recreating* them as their own.

To this end, pupils analyze the music just as minutely and surely as do the grammarians analyze a literary production—not playing louder, softer, faster or slower, at different places simply at the suggestion of the teacher, but because of their understanding of the underlying principles and structural features of the compositions.

Beauty of structure is not the end, but the *beginning* of an artistic conception of music; for the *life* of a composition is behind the mere beauty of form; yet a clear and definite understanding of the form is necessary in order to reach the *end*.

Students' recitals are given regularly in the College Auditorium, also faculty concerts and concerts by visiting artists, besides regular class meetings in the teachers' studios. A general atmosphere of music-culture pervades the entire school. The studios are beautifully finished and well equipped with new pianos—"Starr" pianos,—which are kept in excellent condition.

NOTES.

Beginners are especially welcome, as they possess none of the bad habits so easily formed by inefficient teaching; they receive more readily the correct principles and make rapid progress, not having to unlearn bad habits.

No previous knowledge of music is necessary for entrance.

Students graduate according to their ability, *not according* to the number of terms taken.

Students will be promoted from one division to another only after having passed a successful examination before the teachers appointed to act as Board of Examiners.

ACADEMY.

FIRST DIVISION.—The key board; notes on staff; valuation of notes; division of time; key signatures; sight reading; easy studies; scale building, major and minor; ear training.

SECOND DIVISION.—Memorizing; phrasing; harmony (first division); technical development; more difficult studies and short pieces.

THIRD DIVISION.—Bach, short preludes and fugues; Bach, two and three voice inventions; Czerny, op. 299; Heller studies; composition (second division).

COLLEGE.

FRESHMAN.—Czerny, op. 740; Bach, well tempered Clavichord; technical development, advanced; etudes; soli; composition (third division); history of music.

SOPHOMORE.—Beethoven, sonatas; Chopin; modern classics; philosophy of music; composition (fourth division).

JUNIOR.—The high school of piano playing; art of teaching.

SENIOR.—Repertoire; recital programs.

REQUIREMENTS FOR GRADUATION.

The completion of course as outlined. An average of B Plus on all monthly reports and quarterly examinations, the first division of voice and one recital program embracing both ensemble and solo works.

THEORETICAL AND PEDAGOGICAL STUDY OF MUSIC.

GEORGE L. McMILLAN.

Since all are agreed that music is one of the mediums of expression, it must be granted that a clear and definite understanding of its structural features will aid greatly toward an intelligent appreciation of the thought, feeling or emotion expressed therein.

As an illustration in literary education; none would be so unreasonable as to expect one who had not studied grammar, rhetoric and English, or the correlated studies

necessary to an intelligent appreciation of the good things of literature, to find pleasure in their perusal; and yet there are many otherwise educated people who assume this attitude towards music and complain that the deficiency lies either in themselves or in the music.

"There is a false idea at large among music students concerning the theory of music. When advised to study composition, they frequently reply: 'Oh, I do not expect to be a composer; I am going to be a pianist and teach that instrument,' or be a violinist or vocalist, as the case may be. That is to say, they are going to present to the public the thoughts of the great masters without learning the language the masters spoke. They might as well say: 'I am not going to understand the compositions I play; I am going to teach others to understand them.' This is not so much of a *reductio ad absurdum* as it seems, only a truthful way of putting it.

"The main value to the student is not that he himself may become a composer, but that he may learn the *language* composers use, that he may understand what others have written. How many persons study grammar and rhetoric in order to write books, or even magazine or newspaper articles? Most of us are content to understand what others have written for our reading.

"Yet, when it comes to music, the overwhelming majority declare they will not undertake to understand—only to perform, oblivious to the fact that adequate performance *can only come from adequate understanding*.

"There is an old saying to the effect 'that a man can only tell a thing as it should be told when he knows it as it should be known,' and this crudely expressed truth is as applicable to music as to verbal language. The grammar of any tongue is the basis for expression therein. Without the knowledge of the elements of a language, a user of it has about as much facility as has a parrot who rehearses the sentences he has been painfully taught. Have a higher ambition than to be a musical parrot, inanely repeating the tunes of others without knowing their purport or their construction."—*The Etude*.

The brain must be trained *first*, and *then* the fingers, for the fingers are but the servants of the will. Hence the first division harmony, which is an exhaustive study of the rudiments of music, *is required of all music students*. When students are able to do what they do understandingly, knowing the "why" and "wherefore" of it all, then will they reach a degree of proficiency that will be gratifying to themselves and satisfactory to others.

ELEMENTS OF NOTATION AND HARMONY.

FIRST DIVISION.—An exhaustive study of all signs, musical terms, marks of expression, rules, major and minor scales, key signature, transposition, intervals, inversions, altered intervals, chords, connecting the principal triads, first and second inversions of triads, cadences, etc., together with many original rules and teaching points.

COMPOSITION.

SECOND DIVISION.—The tonic and dominant triads and their inversions; the sub-dominant triad; dominant seventh; supertonic triad; sub-mediante triad; mediant triad; leading tone triad, and sub-tonic triad.

THIRD DIVISION.—Harmonic seventh chords; melodic seventh chords; dominant ninth; sub-dominant ninth; supertonic ninth in the major; sub-mediante ninth in the minor.

FOURTH DIVISION.—Altered chords; passing tones; anticipations; suspensions; modulation; organ point; analysis and form.

NOTES.

Old methods of teaching harmony from a given melody or a figured bass have been relegated to the past, and composition is now taught from the creative standpoint, thus de-

veloping a student's *individuality* as well as familiarizing him with the grammatical construction of the greatest of all languages—music.

The first division can be studied in classes meeting for an hour once per week. The other divisions, requiring original work, are taught only in private lessons.

The course covers from three to four years work, but may be completed in less time by advanced students who take the entire course in private lessons, full time.

VOICE.

Andrew Hemphill.

Marvin Edwards.

Iva May White.

The plan of voice building is founded upon the most modern systems of voice production, and is composed of the best ideas of some of America's and Europe's greatest exponents of the art. There is none of the far fetched "*Method Idea*" so prevalent at the present time, rather a sane moulding of nature's organs as it ought to be.

Among the prominent features of the Voice Department for the year, will be the chorus work. There will be a Ladies' Chorus, Men's Chorus and a Mixed Chorus. The class will thus be given an opportunity to use almost all classes of vocal literature.

THE ACADEMY.

FIRST DIVISION.—Elementary voice placing; breathing; sight singing; piano.

SECOND DIVISION.—Voice placing and breathing continued; Vaccai *Vocalises*; simple songs; sight singing; piano.

THIRD DIVISION.—Voice development; English songs; Henschel's *Progressive Studies*; second division harmony.

THE COLLEGE.

FRESHMAN.—Tone work continued; Abt's *Practical Singing Tutor*; English and Italian songs; third division harmony.

SOPHOMORE.—Lutgen's *Studies in Velocity*; embellishments; style in singing; Italian, French and German songs.

JUNIOR.—Oratorio; opera and best English, Italian, French and German song literature; art of teaching.

SENIOR.—Repertoire and concert programs.

VIOLIN.

Josef Rosenfeld.

E. Clyde Whitlock.

The violin is usually a more or less neglected instrument in schools, not entirely devoted to musical matters. The pupil seems to shrink from the long and arduous practice required, and the many hours of solitary work on abstract details. However, the violin is acknowledged to be the nearest approach to that most perfect of all instruments, the trained human voice; and the study of it in a sincere manner, never fails to fully repay the student for his labors. The study of the violin is especially grateful, on account of the wealth of literature left by all of the masters of musical composition. In this respect it is second only to the piano-forte, and also enjoys the distinction of participation in that most perfect of ensemble combination—the string quartette.

It is the policy of the department to impart to the student a comprehensive knowledge of music in general, as well as of his chosen instrument. It is a deplorable fact that too many violin students (and the same can be said in other phases of musical education,) know only a

few isolated words for their own instrument, and in the broader realm of music are hopelessly lost. The ensemble and orchestra work carried on throughout the year are a great factor in the broadening process.

Every student is required to take a certain amount of the work in Musical History and Musical Theory, as essential to a well-balanced musical education.

An inflexible course of study cannot be followed, as each pupil's work must be suited to his own needs. A prescribed list of works hardly satisfies the needs of any two pupils. The list given below suffices as a general indication of the character of work pursued.

ACADEMIC.

FIRST DIVISION.—Holding the violin and bow; the physical functions involved in violin playing; bow gymnastics and elementary bow and finger work; ear training. Hohmann, *Practical Violin Method*; Wohlfahrt, Op. 45 Op. 47; Bohmer, Op. 54; Sevcek, Op. 1, Bk. I; easy pieces by Hollaender, Bloch, Grun, etc.

SECOND DIVISION.—First position; Wohlfahrt, Op. 74, Op. 45; Kayser, Op. 20, Bk. I; Hermann, Op. 20, Bk. I; H. Sitt, Op. 32, Bk. I; Sevcek, Op. 1, Bk. I; pieces by Heins, Hollaender, Bohm, Dancla, Saury, etc.

THIRD DIVISION.—First three positions; Alard, Op. 10, Bk. II; Wohlfahrt, Op. 74, Bk. II; Kayser, Op. 20, Bk. II; Dont, Op. 37; pieces by Bohm, Dancla, Schytte, Godard, Leonard, Renard, etc.

COLLEGE.

FRESHMAN.—First five positions; Hermann, Op. 20, Bk. II; Dancla, Op. 68; Kayser, Op. 20, Bk. II; Mazas, Op. 36, Bk. I; Sevcek, Op. 1, Bk. III; Kreutzer, 42, studies (Kreas Ed.) to

No. 25; Hawlay, Concerto I; Ortman, Concerteno I; Seitz, Concertos III, IV; Grieg, *Berceuse*; Herbert, *Canzonetta*; Wieniowski, Kuyawiak and Chanson Polonaise, etc.

SOPHOMORES.—Mazas, Op. 36, Bk. II; Kreutzer, 42, Studies Nos. 25 to 42; Fiorello, 36 Caprices; Sevcek, Op. 1, Bk. III; Op. 9; concertos by Veotti, De Beriot, Spohr, Rode; Pieces by Wieniowski, Wilhelmj, Alard, Dvorak, etc.

JUNIOR.—Gavines, 24 matinees; Rode, 24 caprices; Dancla, Op. 73; Rovelli, 12 caprices; pieces and concertos by De Beriot, Viotti, Beethoven, Wieniowski, Vieuxtemps, Sinding, etc.

SENIOR.—Dont, Op. 35; Paganini, 24 caprices; Bach, solo sonatas; pieces, sonatas and concertos by Wieniowski, Bruch, Vieuxtemps, Grieg, Saint Saens, etc.; repertoire work.

THE ORCHESTRA.

The orchestra work furnishes invaluable training, which can be supplied in no other way, and is one of the roads toward practical and well-balanced musicianship. From the first, the purpose has been to cultivate a taste for the real in music by studying only standard works, and the result has proved the correctness of the theory. However, the modern lighter works, if well written, are not neglected.

ENSEMBLE WORK.

This work will apply especially to violin students, and is undertaken for the study of works for two, three and four violins, with or without piano, and kindred combinations; sight reading, that bug-bear of the average student, will be stressed. This work and the orchestral work is given for the benefit of the student free of charge.

REED AND BRASS INSTRUMENTS.

A Department of Reed and Brass Instruments will be added during the coming year. All orchestra and band instruments will be taught by a competent instructor.

WEEKLY FREE LECTURES.

There has been arranged a course of weekly lectures, which cover all of the general points of musical knowledge so frequently left untouched by all, excepting the great conservatories. A few of the subjects are given below:

“The Teacher, His Mission and Equipment.”

“The History and Character of Piano.”

“The History and Character of Violin.”

“Orchestral Instruments.”

“The Development of Technique.”

“Rythm and Accent.”

“The Art of Phrasing.”

“Interpretation and Expression.”

“Musical Terminology.”

“General Pedagogics.”

These lectures will, in the most part, be illustrated by numbers from members of the Faculty. There will also be bi-monthly student's recitals of strictly an impromptu nature. Also bi-monthly Faculty matinees. All students of music are required to attend, others are cordially invited.

MUSICAL HISTORY.

The Department of Musical History is in enarge of Mr. George Weiler. Lessons will be given in class, and all musical students are required to enroll. Quarterly examinations will be given, and grades will count in general averages.

ART.

DRAWING, WATER COLOR, OIL, CHINA DECORATING.

MRS. GEORGE L. McMILLAN.

MISS JESSIE STEPHENS.

MISS PEARL HATCHETT.

Art, when properly taught, does not mean just a few studies to be copied or one or two casts to be drawn, but a systematic and sympathetic effort to develop the creative ability of each student. His powers of imagination are to be stimulated and his own artistic ideals are to be fostered. To the earnest art-worker nature becomes alive with interest, for "to learn to draw is to learn to see."

Some have the idea that the sum and substance of art is *to make something pretty with the least amount of labor*; but this view is entirely erroneous, since it is only by the most diligent, earnest, and loving study that we become artists.

ACADEMY.

FIRST DIVISION.—Instruction in use of brush and pencil; mixing; colors; laying of washes; drawing; water color. Prang's *Text-book of Art Education*, Nos. I, II and III.

SECOND DIVISION.—Washing in large surfaces in broken colors; drawing; water color. Prang's *Text-book of Art Education*, Nos. IV and V.

THIRD DIVISION.—Drawing; water colors. Prang's *Text-books of Art Education*, Nos. VI and VII.

COLLEGE.

FRESHMAN.—Drawing from simple objects; casts in outline; study of form; light and shade; simple study in still life in color; outdoor sketching.

SOPHOMORE.—Drawing fragments and masks from the an-

tique; sketching in color; still life studies; outdoor sketching.

JUNIOR.—Drawing heads from the antique; advanced still life studies in colors; drawing and painting heads from life; outdoor sketching in colors; composition.

SENIOR.—Drawing advanced heads from antique; more advanced still life studies in colors; painting and drawing full length figures from life; outdoor sketching; advanced composition.

ARTS AND CRAFTS.

Special advantages are offered those desiring instruction in tooled leather, cut leather work, work on ooze calf leather, hammered leather, artistic candle shades, stenceling, china painting in conventional designs.

Work in this department cannot be done during the time devoted to the regular course; since it is not a part of the required course, but a separate department planned for those who desire a knowledge of decoration.

Students in the regular course may take this work by registering for double work. *A student must have a fair knowledge of drawing and painting to enter this course.*

REQUIREMENTS FOR GRADUATION.

The satisfactory completion of the College course as outlined.

The time necessary for the completion of the course varies according to the talent and application of the student.

ART LEAGUE.—An organization known as the Art League meets the first Wednesday in each month at 4 o'clock, the meeting being devoted to the study of Art History and the world's greatest masterpieces. At this meeting the drawings made during the month will be voted on by members of the League; and the drawings in each division of work, receiving the greatest number of votes, will receive Honorable Mention and be hung in the Honorable Mention Room at the final Art Exhibit.

All students are required to belong to the League.

OUTSIDE WORK.—(For which there is no additional charge.) Each student is required to practice at least one hour each day, except on the lesson days. This practice consists in copying *fac simile* reproductions of original paintings, which will best meet the technical needs of each student. These copies are made in the studios, under the supervision of the assistant teachers.

EXPRESSION.

MRS. CHARLES TIDWELL PHELAN.

There is no accomplishment so essential to complete equipment as the art of expression. Opinion, judgment and conviction in state and civic matters demand public expression. Society, clubs, banquets and business meetings require public speech, while in private life the accomplishment of graceful delivery distinguishes one above his fellows.

The preservation of personality is the essential of all true work in expression. Expression, then, implies impression. The voice and the body are the natural means for the interchange of thought; but they must be thoroughly obedient to the mind so that the message may be given its fullest import. The course of study outlined has in purpose the development of the natural powers.

PREPARATORY STUDENTS AND SPECIALS.

FIRST YEAR.—*Ideas and Elemental Relations.* Study of nature; conception; abandon; responsiveness; modes of expression; education of the eye; animation. Text-book: Curry's *Lessons in Vocal Expression*.

METHOD OR LOGICAL RELATIONS.—Accentuation; touch; conversational form; method of thought and words; method in narration; method in description; antithesis; soliloquy.

GESTURE PREPARATION.—Pronunciation; enunciation. Literary interpretation: George Eliot's *Silas Marner*; Longfellow's *Evangeline*; Lowell's *Vision of Sir Launfal*. Repertoire must include ten memorized selections.

SECOND YEAR.—*Ideas and Elemental Relations*. Phrase accent; word grouping; mastery of elemental problems; force and loudness.

METHOD OR LOGICAL RELATION.—General principles of inflection and their application; inflection; modulation; subordination; silence as a means of emphasis; texture and tone color; modes of emphasis. Text-book: Curry's *Lessons in Vocal Expression*.

MODES OF DEVELOPMENT.—Conversation; story telling; physical training in gesture preparation; primer of Psychology. Literary interpretation: Addison's *Sir Roger de Coverly Papers*; Coleridge's *Ancient Mariner*; written character sketches; illuminated outline; repertoire, twenty memorized selections.

THIRD YEAR.—*Technic*. Unprinted elements of expression; concentration and its expression; discrimination and intervals; attitude of mind and inflection; response of the organism; conditions and qualities of voice; voice and body; logical relation of ideas.

GESTURE PREPARATION IN PSYCHOLOGY.—Literary interpretation: Shakespeare's *Julius Caesar*, impersonation; Milton's *Minor Poems*, technical analysis; weekly themes: Macauley's *Essay on Johnson*; Macauley's *Essay on Milton*; repertoire must include Shakespearean scenes, magazine selections and monologue. Text-book: Curry's *Foundations of Expression*.

FOURTH YEAR.—Text-book work; Curry's *Foundations of Expression*; tone color; secondary vibrations of tone; pantomimic conditions of tone; moulding of tone into words; force and its expression; support and strength of voice; flexibility of voice; movement; action; unity of delivery.

PSYCHOLOGY.—Philosophy of gesture; mastery of principles; literary interpretation: Burke's *Conciliation*, argumentative; Shakespeare's *Macbeth*, impersonation; Milton's *Para-*

dise Lost, Books I and II, analysis; repertoire must include one Shakespearean play; ten Browning and Tennyson numbers; ten humorous selections; ten selections from contemporary authors.

COLLEGE

FRESHMAN.—Psychologic principles in the analysis of oratory, one hour; processes of thinking in the modulation of the voice, one hour; pronunciation; enunciation; gesture preparation; relation of voice to imagination and emotion.

CLASSICS IN VOCAL EXPRESSION.—Study of selections from the great orators, essayists, dramatists and poets; illustrative of elemental and logical relations; their meaning and interdependence.

RECITATION FOR CRITICISM.—Repertoire must include twenty numbers.

SOPHOMORE.—Psychologic principles in the analysis of oratory; foundation of expression; life study; pantomimic scenes; responsive gesture.

PSYCHOLOGY.—Literary interpretation: Arnold's *Sohrad and Rustum*; Dryden's *Palamon and Arcite*; Pope's *Essay on Man*; Shakespeare's *A Winter's Tale*; character development and delineation; dramatic structure; repertoire must include twenty standard numbers, fifteen short numbers and one play.

JUNIOR.—Text-book: Imagination and dramatic instinct, practical steps for their development; creative instinct, the ideal, the real, suggestion; degree of imagination, situation and background; assimilation, identification, representation, personation, participation; development and application of elements of expression; modes of histrionic expression; extemporaneous speaking, mastery of principles, effective delivery. Literary interpretation: Browning's *Ring and the Book*; repertoire must include four classics and one good book of contemporaneous fiction.

SENIOR.—The province of expression; dramatic and oratoric delivery; kinds and nature of expression; special tech-

nical training; schools, imitative, mechanical, impulsive, speculative; functions of expression in education; criticism; philosophy and psychology of expression; philosophy of gesture. Literary interpretation: Shakespeare's *Antony and Cleopatra*; Browning's poems representing music, *Abt Vogler*; music and sculpture, *Gaul*; painting, *Andrea del Sarto*; architecture, *Cleon*; *The Potter's Wheel*; *Rabbi Ben Ezra*; repertoire for graduation must include one Shakespearean play and two books cut by reader.

REQUIREMENTS.

Diplomas will be granted to those who have completed the College courses outlined above.

Certificates will be granted to those who complete the courses as outlined for Specials.

Promotion depends upon achievement and not upon how long one has studied. The prescribed course is four years, but purpose and assiduity make it possible to complete the course in three years. All requirements for repertoire must be met.

Every pupil taking private lessons must take class lessons.

Pupils may take class work without taking private lessons.

Lessons missed will not be made up except lost from protracted illness or an excuse sufficient to the teacher. No pupils will be enrolled for half-time (one lesson per week).

PIPE ORGAN.

Owing to the fact that in the very near future we hope to have a Pipe Organ, we announce that the Organ Department will be in charge of Mr. George Weiler. Lessons may be arranged for September.

GENERAL INFORMATION.

CHRISTIAN EDUCATION.

The Polytechnic College stands for positive Christian Education. From its incipency, the institution has believed in the symmetrical education of the entire man—physical, intellectual and spiritual. The age is greatly in need of cultured men who love the church, fear God and have faith in Christ. Such men can be produced only in institutions where Christ is honored as the Divine Savior of men, where God is worshipped as the First Great Cause and Preserver of all things, and where the Church is revered as a divine institution, established and perpetuated for man's present and eternal well-being. This College covets a part in this great work, the worthiest of human endeavor. It desires a part and parcel in the erection and establishment of genuine Christian ideals in the minds of young men and women to inspire them to the noblest and best living, both for society and the state, and for the family and the Church.

A thoroughly religious atmosphere permeates the institution. There is an organized church with resident pastor, and all the machinery of a working body of Christians. While the College is owned by the Methodist Church, absolutely no effort will be tolerated to indoctrinate students of other denominations in Methodism. Christianity in its essential character only is urged

upon such students, leaving church affiliations to their own and to their parents' desires. Every morning the entire body of students assemble in the chapel for religious service, consisting of songs, Scripture reading, brief explanations and words of counsel. Gracious revivals are enjoyed every school year. Our religious influences are the very best.

TO PARENTS AND GUARDIANS.

In view of the fact that it is impossible to accomplish much in the mental training and moral discipline of a student without the full co-operation of parents or guardians, they are entreated to give their entire support to all regulations. They are especially urged not to write for students to come home on visits or to give permission to attend fairs, theaters, circuses, etc. Such diversions are, as a rule, harmful in themselves and always interfere seriously with the school work. Frequent trips to the city are to be discouraged.

The Polytechnic College is a co-educational institution. It believes that the presence and competition of the sexes furnish a healthy stimulus to both. Great care is exercised, however, to prevent any undue familiarity or improper conduct.

It is the desire to maintain the best character of wise and efficient discipline. Patrons in placing students in the school may rely upon the most careful personal training and upon surroundings wholesome and stimulating. Kindness is one of the essential features of the system; but there is no place for idleness, negligence or wrong doing. There are no short and easy methods for

acquiring knowledge; all are expected and required to do earnest and careful work. Students who do not come for honorable purposes and for genuine improvement are not desired; and those who will not work or whose influence is detrimental will be indefinitely suspended.

Reports of work in the College will be sent to the parents or guardians of minors at the close of each term. The other schools will issue reports quarterly.

THE LECTURE COURSE.

A Lecture Course is maintained. Arrangements have already been made for a series of high-class entertainments and lectures for the year 1910-11; and it is the purpose of the Faculty to make this feature one of the most satisfactory and instructive phases of College life. The course will be representative in that it will touch every department of school work; the purely literary, the artistic, the scientific and the popular will be combined in a program having in purpose the best results from an educational standpoint. *All matriculates* will be admitted free. A season ticket may be obtained for \$1.00 by the non-matriculate.

During the past year our students have been privileged to hear, at the College, among others, William B. Amsbury, poet-lecturer; Dr. Francis R. Patton, formerly President of the Southern Theological Seminary; Dr. Collins Denny, of Vanderbilt University; Professor William C. Moneghans, formerly of the University of Wisconsin, and later United States Consul to Bremen, Germany; Dr. I. C. Chase, in his lecture on Tuberculosis, and George Stuart, of world-wide fame.

THE BULLETIN.

"The Bulletin" is a quarterly publication that has been published since the first of June, 1905. The purpose of "The Bulletin" is to advertise the advantages offered by the Polytechnic College and to keep friends and patrons in close touch with the work that is being done. The June issue is the catalogue number, and contains detail information of the School in every phase of its work. "The Bulletin" is issued in June, September, November and March, and any of the numbers will be mailed free on request.

MEDALS FOR 1910-11.

The Scholarship Medal will be awarded to the Graduate making the highest general average. See conditions on page 42.)

The Dr. F. D. Boyd Medal will be awarded to the winner in the preliminary contest held to determine who shall represent Polytechnic College in the State Oratorical Contest at the Fort Worth meeting, April 21, 1910.

The Medal presented by Drs. M. F. and W. C. Lackey will be awarded to the winner in the Preparatory Oratorical Contest to be held May 27, 1911.

The W. Erskine Williams Medal will be awarded in the Department of Oratory to the student who makes the highest average grade for the year.

The Mrs. Leon Gross Medal will be awarded to the student who makes the highest average grade in Vocal Music, including the class grade for the year and the

grade in the Singing Contest to be held May 26, 1911.

A Medal will be awarded to the best individual debater in the Freshman class.

LOAN FUND.

Many students are anxious to complete the College Course, but are hindered by lack of means. There is, at the disposal of the President, a loan fund to assist the meritorious in their efforts. Loans will be made to worthy students at a low rate of interest; Juniors and Seniors, who have spent a year or more in Polytechnic College, will be preferred in these loans. This fund has recently been augmented; but it is yet not equal to the need.

PHYSICAL TRAINING.

Physical training is to be a special feature among the many College activities. All the College games, such as football, basket ball, baseball, tennis, track and field athletics will be given special attention in their respective seasons. All students will be required to take at least two hours exercise per week, either in gymnasium classes or members of the different athletic teams. Seniors who have had two years work in the gymnasium will be excused from regular attendance. Absence from gymnasium classes will receive the same penalty as absence from a class in the regular school work. The new gymnasium is well equipped for gymnastic work.

It is the aim to give each student as much individual attention as possible and to provide physical exer-

cise for every one. It is deemed much better to have a great many students taking physical exercises than to have a few taking a great deal.

Polytechnic College stands for *clean athletics*. No student may receive any remuneration directly or indirectly for taking part in any athletic sports. Only students in good standing who are doing satisfactory work, as determined by the Faculty of the Department in which such students are registered, will be permitted to take part in any interscholastic contest or to hold an office as manager of a team.

The Athletic Council, composed of three student members, the Faculty Committee on Athletics, one member of the Alumni Association and a member of the Board of Trustees, will have general control over athletics. All interscholastic schedules must be submitted to this Council for approval before arrangement for the games are made.

The Athletic Council has fixed the following requirements for membership on the College athletic teams: the student must carry the equivalent of twelve hours work; is permitted to make a minimum grade of E in but one subject; must be in good standing as determined by the head of the school in which he is registered.

STUDENT ORGANIZATIONS.

LITERARY SOCIETIES.

There are four literary societies connected with Polytechnic College: The Adkissonian and the Philosopherian, for the young men; the Susan M. Key and the

Korosophian, for the young women. These societies are all in a flourishing condition and are recognized as potent and highly beneficial factors in the social and intellectual development of the student body. Their attractive and well furnished halls are centers of real interest and value.

All have regular weekly meetings and give ample training both in parliamentary usage and in the various forms of literary and cultural expression. All follow somewhat similar lines of work; but the societies for young men emphasize debate and oratory. The sense of generous rivalry is quickened by righteous emulation and each society is aroused to its best efforts by the stimulation of friendly competition.

One of the most interesting features of the school year is the annual debate between representatives of the Adkissonian and Philosophian Societies. From these representatives will be selected the inter-collegiate debaters. A handsome trophy cup, donated by R. D. Gage, will be given to the Society placing the greatest number of men on the inter-collegiate debating teams.

ORATORICAL ASSOCIATION.

There is an organization among the young men of the College known as the Polytechnical Oratorical Association. This organization has a full corps of officers and its purpose is two-fold: First, to stimulate a live interest in oratory; second, to put system into the preliminary contest held February 22nd for the selection of an orator to represent Polytechnic College in the annual contest of the State Oratorical Association.

DEBATING COUNCIL.

The Debating Council is composed of two members from each of the literary societies for young men and two members from the Faculty. Its purpose is to systematize the preliminary contest held for the purpose of selecting debaters to represent the Polytechnic in inter-collegiate debates; to determine questions; select judges, and to make all arrangements for such debates.

A triangular debate has been arranged with Epworth University, Oklahoma, and Ouachita College, Arkansas. The question for 1910 was *Municipal Ownership and Operation of Street Railways*. Polytechnic won a double victory.

Y. M. C. A.

Within the student body there is a live-working organization of the Y. M. C. A., which furnishes the students excellent opportunities for development in active Christian work. It is also a part of the work of this organization to provide the young men with wholesome reading matter for their side readings, and to assist in furnishing healthful, pleasurable and commendable means of recreation.

STUDENTS' ASSOCIATION.

The Students' Association is an organization among the students for the purpose of exemplifying self-government and assisting the Faculty in maintaining a high standard of order and discipline in the school. Young men of good moral habits and high ideals, who wish to assist in maintaining high moral standards in the school, identify themselves with this organization.

It is believed that the average boy in college is inclined toward the right; and that, if encouraged, he will grow strong in character and become able to assist in leading others aright.

The Association meets regularly once a month; the Executive Council, composed of representatives from the various class organizations, meets every week.

BOARD OF PUBLICATION.

The Board of Publication, which has charge of all student publications, is composed of two representatives from each of the College classes, and two from each of the following: The Preparatory School, the School of Fine Arts, the Faculty and the Alumni. Two publications are issued, "The Independent" and "The Panther City Parrot." "The Independent" is a weekly publication of College news. Its columns are open to students and Faculty for the discussion of affairs current in college life. "The Parrot" is an illustrated year-book issued in the month of May. The editors and managers are chosen by the Board of Publication and are subject to its control. These publications give excellent opportunity for the development of student ability in journalism and materially assist in creating loyal college spirit.

THE GLEE CLUB.

The Glee Club is trained by Professor Hemphill, and is composed of the best male voices in school. Its members receive superior training. The Glee Club makes a concert tour over North Texas each year.

THE ORCHESTRA.

Under the able direction of Mr. Whitlock the Orchestra has become a most popular College organization. It is composed of both young men and women. The Glee Club and the Orchestra furnish delightful entertainment for the students and friends of Polytechnic on numerous occasions.

BOARDING DEPARTMENT.

BOARD FOR YOUNG MEN.

MULKEY HALL.

The George Mulkey Hall is a three-story brick dormitory, with rooms for one hundred young men. The dining-room will seat two hundred. It is comfortably furnished and equipped with electric lights and steam heat. This home is under the care of Professor J. E. Willis and wife.

Room rent must be paid by the term in advance and *will not be refunded*. No deduction from board account will be made for less than one unbroken week.

Young men should bring two blankets, two pillow-cases, two sheets, one comfort, one bedspread, one pillow, towels and other toilet articles as desired.

Room, including heat and light (two students in a room) per term \$15. Where one person occupies a room the charge per term will be \$30.

Table board, per month of four weeks, *in advance*,

\$10. The entire amount paid in will be expended in the purchase, preparation and serving of meals.

It is planned to install, during the summer, shower and tub baths in Mulkey Hall. If this is not done, students rooming in Mulkey Hall will be given free access to the baths in the gymnasium.

PRIVATE BOARD.

Board may be secured in private families for \$12.50 and upward per month of four weeks.

A list of approved boarding houses will be on file in the office for the convenience of students, and this list must be consulted before any permanent arrangement can be made. Students will not be permitted to board at houses open to the general public, and all who propose to take student boarders must pledge co-operation with the school authorities in the maintenance of discipline. Change of boarding house must not be made without the consent of the Faculty, who may require a change for sufficient cause.

BOARD FOR YOUNG LADIES.

Non-resident lay students are required to room and board in the Young Ladies' Home or Conservatory, both of which are on the College campus and under the direct care of President Boaz. The "Home" is an attractive three-story brick structure, situated just south from the College buildings, and, together with the Boaz-Benbrook Conservatory, will accommodate one hundred and fifty young ladies.

The rooms are comfortably furnished and venti-

lated, lighted by electricity and heated by steam. A deep well supplies an abundance of pure artesian water. Good bathing facilities are furnished, also sewage connections. The building is provided with ample exits, fire escapes and chemical fire extinguishers. A watchman is on duty all night. A *trained* nurse is in charge of the "Infirmery." The entire time of the nurse will be given to looking after the sanitation of the dormitories and advising the young women on points of health. In all matters of health they will be in charge of the nurse. A hospital fee of \$3.00 will be charged each term to all young women in the dormitories. This entitles them to three days' treatment in the Infirmery without charge. In cases of more prolonged illness, a charge of 50 cents per day will be made after the third day.

Every interest of the young ladies is carefully guarded. They are required to take physical exercise daily. All must attend Sunday School and Church. They will also enjoy the presence of several members of the Faculty, who board in the "Home." Due attention will be given to the cultivation of polite manners and good morals. It is the constant aim to develop the highest order of true womanhood.

Young ladies will not be allowed to visit in the city or spend the night away from the "Home," except with a near relative; nor will they be allowed to make trips of any kind away from the College grounds without proper escort. Worthy young ladies of mature age in College work will be allowed some freedom in these respects.

Young ladies may board with a near relative, who will see that all regulations are observed. In special in-

stances, young ladies, who are over twenty-one years of age, or who are defraying their own expenses by work, may be allowed to board in private families by special Faculty action.

A FEW IMPORTANT ITEMS.

1. In order to discourage extravagance in dress uniforms will be required. This uniform will be made in prevailing style, and, with Oxford cap, will cost about \$16.00. A deposit of \$5.00 will be required when the measure is taken.

2. In order to secure a room in advance a deposit fee of \$5.00 is required. This will be credited on the account. On entering school, a breakage fee of \$2.00 must be deposited. This will be returned in June, if no damage has been done to the room or its furniture.

3. Each young lady will be required to furnish a white bedspread, a pair of sheets, a pair of blankets, a comfort, a pair pillow cases, a pillow, towels, soap, napkins, napkin rings, comb, brushes and any other necessary toilet articles. All clothing must be distinctly marked.

4. Money for books, stationery and incidental expenses can be deposited with College Treasurer; the management will not be responsible for loss of money kept in the rooms, nor will money be advanced to those who have no money on deposit. Young ladies are expected to pay car fare of chaperone on all occasions except shopping day, which is Monday.

Rooms furnished, according to size, location and

number in the room, per term \$10.00 to \$19.00. Room rent is by the term, payable in advance, and will not be refunded.

Board, including light and fuel, if paid in advance by the term, \$57.00. Board, paid by the month of four weeks, in advance, \$13. Ministers' daughters are allowed a discount of ten per cent on board. Board will be refunded for consecutive absence of one week or more.

AFFILIATION OF HIGH SCHOOLS AND ACADEMIES.

Arrangements have been made by which high schools and academies may be affiliated with the Polytechnic College, thus giving the graduates of such schools the privilege of entering the College without examination. This is done to bring about a closer relation between the secondary schools and the College, in consequence of the belief that there should exist among the different classes of schools perfect articulation. The conditions for affiliation:

1. The length of the school term, nine months; if a public school, the term should all be public.
2. There must be at least two teachers exclusively engaged in the high school work.
3. The length of the daily recitation to average not less than forty-five minutes.
4. For affiliation in Physics or Chemistry the school must be well equipped for laboratory work.
5. Evidence must be furnished that the school has an efficient teaching force and that its proposed course of study is faithfully pursued.
6. A copy of every issue of the published course of study, or of changes therein, should be sent to the chairman of the Committee on Affiliation.
7. Each student entering the College from an affiliated school must present a statement from the Superintendent or Principal showing specifically the work done. Blanks may be obtained for this purpose from the Registrar.

There are many high schools and academies that do work

for which their students should receive credit on advanced standing in college. Students coming from these schools will be granted such advanced credits as their previous work may warrant.

Each year a scholarship will be offered to the honor graduate of every affiliated school, entitling him or her to one year's tuition in the College; no scholarship will be granted to a student who ranks below conditioned Freshman.

The committee will gladly correspond with the Superintendent or Principal of any school desiring affiliation. It is hoped that all the first-class high schools and academies in the State, not already affiliated, will apply for affiliation.

AFFILIATED SCHOOLS.

Abbreviations: E., English; H., History; M., Mathematics; L., Latin; Gr., Greek; G., German; F., French; S., Spanish; P., Physics; C., Chemistry; Civ., Civics; Ph., Physiology; B., Botany, S.G., Solid Geometry; T., Trigonometry.

ABILENE HIGH SCHOOL.....E., H., M., L., P. Civ.
SUPT., J. H. BURNETT.

ALVARADO HIGH SCHOOL.....E., H., M., Civ., L., 2.
SUPT., A. H. PLUMMER.

ANSON HIGH SCHOOL.....E., H., M.
SUPT., L. G. ALLEN.

ARLINGTON HIGH SCHOOLE., H., M., L., P.
SUPT., H. TARPLEY, B. S.

AUSTIN HIGH SCHOOL.....
.....E., H., S.G., M., T., G., S., P., C., Civ., B.
SUPT., A. N. McCALLUM, B.A.

BALLINGER HIGH SCHOOL....E., H., M., P., L., Civ., S.G.
SUPT., S. M. BYRD, B.A.

BELTON HIGH SCHOOL...E., H., M., L., G., P., S.G., Civ., B.
SUPT., J. B. HUBBARD.

BELTON ACADEMY.....E., H., M., L., G., Gr., S., P., C.
PRIN., C. H. WEDEMAYER, M.A.

BEAUMONT HIGH SCHOOL
.....E., H., M., S.G., L., G., S., F., C., P., B.
SUPT., H. F. TRIPLETT, B.A.

- BIG SPRINGS HIGH SCHOOL.....
E., H., M., L., Civ., P., Ph., S.G.
 SUPT., A. D. ELLIS.
- BONHAM HIGH SCHOOL.....E., H., M., L., G., C., P., B.
 SUPT., I. W. EVANS.
- BOWIE HIGH SCHOOL.....
E., H., M., L., P., Civ., Ph., S.G., T.
 SUPT., G. L. MARSHALL, B.A.
- BRADY HIGH SCHOOL.....E., H., M., L.
 SUPT., M. L. STALLINGS.
- BRENNHAM HIGH SCHOOL....E., H., M., L., G., P., S.G., T.
 SUPT., PEYTON IRVING, JR.
- BROWNWOOD HIGH SCHOOL.....E., H., M., L., P., Civ.
 SUPT., G. H. CARPENTER, Ph.B.
- BRYAN HIGH SCHOOL.....E., H., M., L. .
 SUPT., W. C. LAWSON, B.A.
- CALDWELL HIGH SCHOOL.....E., H., M., S.G., L., G., Civ.
 SUPT.,
- CAMERON HIGH SCHOOL.....
E., H., M., S.G., L., G., C., P., Civ., Ph.
 SUPT., J. E. WATTS, B.A.
- CISCO HIGH SCHOOL.....E., H., M., L.
 SUPT., S. E. THOMPSON, M.A.
- CLEBURNE HIGH SCHOOL
E., H., M., L., G., Gr., Ph., C., P., Civ., B., S.G., T.
 SUPT., R. G. HALL, B.A.
- CLARENDON COLLEGE.....(Advanced Standing)
 PRES., G. S. SLOVER, M.A.
- CHILLICOTHE HIGH SCHOOL.....E., H., M., L.
 SUPT., R. L. DUBNEY, B.L.
- COLEMAN HIGH SCHOOL.....E., H., M., L.
 SUPT., J. E. HICKMAN, B.A.
- COLORADO HIGH SCHOOL.....E., H., M., L., P.
 SUPT., C. L. McDONALD, Ph.B.
- COMANCHE HIGH SCHOOL....E., H., M., L., Ph., Civ., S.G.
 SUPT., D. P. PARKER.
- CORPUS CHRISTI HIGH SCHOOL.....
E., H., M., S.G., S. T., P., C., Civ.
 SUPT., C. W. CROSSLEY.

CORSICANA HIGH SCHOOL.....
.....	E., H., M., L., G., F., C., P., Civ., S.G., T.
SUPT.,	J. E. BLAIR.
CROCKETT HIGH SCHOOL.....	E., H., M., L., Civ.
SUPT.,	R. R. SEBRING.
CUERO HIGH SCHOOL.....	E., H., M., S.G., T., L., Civ., G.
SUPT.,	W. S. FLEMING, B.A.
DALLAS HIGH SCHOOL.....
.....	E., H., M., L., G., C., P., Ph., S.G., T.
SUPT.,	ARTHUR LEFEVRE, C.E.
DENISON HIGH SCHOOL....	E., H., M., L., G., C., P., B., S.G.
SUPT.,	F. B. HUGHES, B.S.
DENTON HIGH SCHOOL.....
.....	E., H., M., C., P., Civ., Ph., B., L., S.G.
SUPT.,	J. S. CARLISLE.
DOUGLAS-SCHULER SCHOOL, WACO.....	E., H., M., L.
PRIN.,	S. A. DOUGLAS, B. A.
DUBLIN HIGH SCHOOL.....	E., H., M., L., P.
SUPT.,	J. W. DUNLAP.
ENNIS HIGH SCHOOL.....	E., H., M., L., G., C., Civ., S.G.
SUPT.,	J. D. COGLAN.
FORT WORTH HIGH SCHOOL.....
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GARLAND HIGH SCHOOL.....	E., H., M., L., C., P., Civ.
SUPT.,	THOMAS W. PLATT.
GATESVILLE HIGH SCHOOL	E., H., M., L., Civ.
SUPT.,	H. B. WHALING.
..... HIGH SCHOOL.....	E., H., M.
SUPT.,	
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SUPT.,	EDGAR MCLENDON, B.A.
GRANBURY HIGH SCHOOL.....	E., H., M., L.
SUPT.,	R. P. JARRETT, L.I.
GREENVILLE HIGH SCHOOL.....
.....	E., H., M., L., C., P., B., Ph., Civ.
SUPT.,	L. C. GEE.

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 SUPT., P. B. BITTLE, B.S.
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- HILLSBORO HIGH SCHOOL.....E., H., M., L., P., Civ.
 SUPT., T. D. BROOKS, B.A.
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E., H., M., S.G., L., G., S., C., P., Civ. Ph., B.
 SUPT., P. W. HORN, M.A.
- HOUSTON HEIGHTS HIGH SCHOOL..E., H., M., L., G., Civ.
 SUPT., A. H., RUSSELL.
- HUBBARD HIGH SCHOOL.....E., H., M., L., P., Civ.
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- ITALY HIGH SCHOOL.....E., H., M.,
 SUPT., W. R. MARRS.
- ITASCA HIGH SCHOOL.....E., H., M., P.
 SUPT., C. P. HUDSON.
- JACKSBORO HIGH SHCOOL.....E., H., M.,
 SUPT.,
- LAMPASAS HIGH SCHOOL.....E., H., M., P.
 SUPT., G. D. SCOTT.
- MANSFIELD ACADEMY.....E., H., M., G., P., C., S.G., T.
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- MARLIN HIGH SCHOOL.....E., H., M., L., P., S.G.
 SUPT., W. F. DOUGHTY, B.A.
- MARSHALL HIGH SCHOOL.....
E., H., M., L., G., C., P., Civ., Ph., S.G.
 SUPT., W. H. ATTERBERY, B.A.
- McKINNEY HIGH SCHOOL.....
E., H., M., L., P., Civ., Ph., S.G.
 SUPT., J. H. HILL.
- MERIDIAN TRAINING SCHOOL..... (Advanced Standing)
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- MEXIA HIGH SCHOOL.....E., H., M., C., P., L., S.G.
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- MIDLAND HIGH SCHOOL.....E., H., M., L.
 SUPT., W. W. LACKEY.

- MIDLOTHIAN HIGH SCHOOL.....
E., H., M., L., Civ., S.G., T.
 SUPT., H. M. MORRIS.
- MINEOLA HIGH SCHOOL.....E., H., M., L., Gr., S.G., T.
 SUPT.
- MINERAL WELLS HIGH SCHOOL.....
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 SUPT., E. O. McNEW.
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- SAN ANTONIO HIGH SCHOOL.....
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 SUPT., W. H. EMERT, M.A.
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- SHERMAN HIGH SCHOOL.....E., H., M., L.
 SUPT., J. C. PYLE, B.Lit.
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 SUPT., J. E. SMITH.
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- SWEETWATER HIGH SCHOOL....E., H., M., L., P., S., S.G.
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- TEMPLE HIGH SCHOOL.....
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- TERRELL HIGH SCHOOL....E., H., M., L., P., Ph., Civ. S.G.
 SUPT., S. M. N. MARRS, B.S.

TROUPE HIGH SCHOOL.....	E., H., M., S.G., T. SUPT., M. M. DUPREE, B.S.
WACO HIGH SCHOOL.....	E., H., M., L., P., Ph., C., S.G. SUPT., J. C. LATTIMORE, C.E., M.S.
WAXAHACHIE HIGH SCHOOL.....E., H., M., L., C., P., Civ., S.G. SUPT., WALTER ACKER, B.A.
WESLEY COLLEGE.....	(Advanced Standing)
WEATHERFORD HIGH SCHOOL.....E., H., M., L., C., P., G., Civ. SUPT., T. W. STANLEY.
WICHITA FALLS.....	E., H., M., T., L., P., C., S.G. SUPT., T. L. TOLAND.
WOLFE CITY HIGH SCHOOL.....	E., H., M., L., Civ., S.G. SUPT., E. F. KING.

SUMMER SCHOOL AND NORMAL

1910

H. A. BOAZ, D. D., *President.*

J. F. SIGLER, *Conductor Summer Normal.*

FACULTY

J. F. SIGLER, M.A., *Professor of English, Polytechnic College, Conductor of Normal—Grammar, Composition.*

J. B. BISHOP, M.A., *Professor of Ancient Languages, Polytechnic College—Latin.*

J. D. BOON, B.S., *Professor of Physics, Polytechnic College—Chemistry, Physiography and Physics.*

S. A. MYATT, M.A., *Professor of Romance Languages, Polytechnic College—German and Spanish.*

W. J. B. BUTTRILL, B.A., *Instructor in Mathematics, Polytechnic College—Algebra and Geometry.*

R. G. HALL, M.A., *Superintendent, Cleburne City Schools—College History and Education.*

H. TARPLEY, B.S., *Superintendent Arlington Schools—Psychology, Arithmetic, Physical Geography.*

A. B. FINCHER, *Principal North Fort Worth High School—Algebra, Solid Geometry.*

H. H. COOK, *Principal High School, Grapevine—History in Summer Normal and Geography.*

MISS SUE BUCHANAN, *Fort Worth Public Schools—Primary Method.*

L. W. NEWTON, B.A., *Fort Worth High School—Physiology, Civics, English and American Literature, Agriculture.*

OBJECT.

It requires no argument to prove that there is a need for the summer school. Many teachers cannot attend school during the regular session, as they are busy at that time. Still they wish to improve their minds and become better fitted to do in an acceptable way their work. Hence the need of vacation schools.

The summer school reaches four classes of teachers: First, those who desire a certificate for the first time; secondly, those who wish to renew their certificates; again, those who desire to extend their certificates; and, lastly, those who wish broader culture, better scholarship and more professional training.

To those desiring certificates, the Polytechnic Summer School affords excellent advantages, inasmuch as the session continues six weeks and each subject is taught by a capable instructor. Those who wish to extend their certificates can spend twenty days pleasantly and profitably at Polytechnic. To those desiring broader culture, higher scholarship and professional training, the Polytechnic Summer School affords unexcelled opportunities. Credit toward a degree will be given all who do required work in College subjects.

The attention of the prospective teacher is especially directed to the following facts: Each member of the Faculty is a university or college graduate, and by training and experience, is a specialist in his line; they also know the needs of the Texas teacher and will endeavor to give him that thorough review so necessary in equipping him to pass his examination. Yet, passing the examination should not be the end in view. The true teacher realizes that the "object of education is, or ought

to be, to provide wide exercises for one's capacities, wise direction for his tendencies, and through this exercise and this direction to furnish his mind with such knowledge as may contribute to the usefulness, beauty and nobleness of one's life."

EXAMINATIONS.

At the close of the session the regular State examinations will be given for certificates. Only those who have been in attendance at the Normal for fifteen days exclusive of examination days will be admitted to the examination.

ACADEMIC COURSES OFFERED.

Courses will be offered for entrance credits in English, Mathematics, History, German, Spanish, Latin. In college work the following courses will be offered: History I; Education I-II; Mathematics A-B; Physics I; Chemistry I; other courses will be given by special arrangement, if there is demand for them.

Under favorable conditions one may, by putting in his full time for the term upon one subject, make a year's credit in that subject. It is not advisable that anyone should take more than one of these subjects, unless he has had previous work in it and wishes merely to make up a deficiency. In such instance one might take two or even three subjects. There are certain subjects on which one may receive credit by attending the Summer Normal classes, and by making at least 75 on the examination submitted by the State in those subjects, the papers to be graded by the teacher in charge of that department in the College which has charge of such work.

ADVANTAGES OF SUMMER WORK.

TO THE COLLEGE STUDENT.

In planning the summer work it is the desire of the College to give every student an opportunity to make credits in whatever he may choose. There are many students who desire to use the summer in bringing up some subject in which they are behind in their general classification. There are others who have conditions and deficiencies in certain subjects to make up. They do not need to spend the time of regular session in this, and the opportunity of the summer school for this work is most convenient.

TO HIGH SCHOOL STUDENTS.

Students of the neighboring high schools, who have certain deficiencies to make up in order to even up their classification, may find here regular classes in which they may do the work under instruction that will be acceptable to their superintendent or principal. There should be many who would be glad of this opportunity.

TO THE TEACHER.

There are many teachers who feel that they cannot spare the time to attend the regular session of school, and yet they wish to advance their scholarship by doing some regular work in college. The summer school offers an excellent opportunity for doing this. One may so arrange his work as to receive credit for it in the College and at the same time have it count toward the extension of his certificate without examination, all under one fee.

EXPENSES.

The matriculation fee for the Summer School is \$10.00; and this entitles one to instruction in any one or more of the courses offered, and also to all the work given in Methods in the Summer Normal.

Tuition for the Summer Normal work is \$7.50 for the term. This entitles one to instruction in any of the regular summer Normal classes, to all the methods work given.

Those who take examination for certificates must pay one dollar examination fee.

Those who are interested in summer work should address

BUFORD O. BROWN,
Polytechnic College, Fort Worth, Texas.

MATRICULATES---1909-1910

COLLEGE

Akin, Porter.....	Fort Worth, Texas
Alsup, Alice.....	Weatherford, Texas
Anderson, Sidney R.....	Rising Star, Texas
Ashburn, Isaac.....	Detroit, Texas
Behrens, Minnie.....	Bransford, Texas
Bowman, Mary	Fort Worth, Texas
Bowman, William H.....	Mansfield, Texas
Boyd, William S.....	Gatesville, Texas
Buckley, N. R.....	Fort Worth, Texas
Buttrill, Henry M.....	Mansfield, Texas
Byrd, Solan C.....	Claude, Texas
Chambers, W. B.....	Sanger, Texas
Callaway, Mary.....	Joshua, Texas
Conner, George M.....	Fort Worth, Texas
Cook, Bertie.....	Crystal Falls, Texas
Cox, Nallie	Energy, Texas
Cunningham, A. F.....	Honey Grove, Texas
Daniel, Lois.....	Fort Worth, Texas
Dickinson, Ruby.....	Fort Worth, Texas
Dishman, W. Earl.....	Collinsville, Texas
Dowda, Allen A.....	Canton, Ga.
Duncan, Charles G.....	Loraine, Texas
Eddleman, Earl H.....	Joshua, Texas
Edwards, Sam J.....	Fort Worth, Texas
Farris, J. S.....	Weatherford, Texas
Faust, Mary Cosette.....	Baird, Texas
Fullerton, Robin W.....	Coleman, Texas
Fulton, Alice	Fort Worth, Texas
Fulton, R. Ed.....	Fort Worth, Texas
Fulton, William P.....	Fort Worth, Texas

Golberg, David.....	Russia
Goodloe, Robert W.....	Olney, Texas
Goodman, Clyde	Plainview, Texas
Gordon, Ira L.....	Fort Worth, Texas
Grace, James M.....	Waco, Texas
Graham, Mavis Lee.....	Alvarado, Texas
Griffith, Iva	Maypearl, Texas
Grissom, Alma	Carlton, Texas
Hamilton, Pearl	Terrell, Texas
Harwell, Erwin L.....	Putnam, Texas
Hawkins, Charles P.....	Fort Worth, Texas
Hawkins, John W.....	Burleson, Texas
Hawkins, William E.....	Fort Worth, Texas
Hearon, W. A.....	Temple, Texas
Henderson, Earl	Fort Worth, Texas
Henderson, George R.....	Fort Worth, Texas
Hightower, Lovick P.....	Granbury, Texas
Ingle, Lenora.....	Grandview, Texas
Ingraham, Blaine	Astoria, Mo.
Killian, Oscar L.....	Comanche, Texas
Klapproth, Anna May.....	Midland, Texas
Lampkin, T. A.....	Fort Worth, Texas
Leatherwood, H. S.....	Itasca, Texas
Magee, J. Bethel.....	Quanah, Texas
Major, Gertrude	Fort Worth, Texas
Marney, W. C.....	Mansfield, Texas
Martin, A. C.....	Fort Worth, Texas
Martin, Laura	Graham, Texas
Martin, Hallie	Fort Worth, Texas
McCarver, Connie.....	Pecos, Texas
McGlamery, Bert E.....	Caddo, Texas
McKenney, Mary	Crowley, Texas
McKinnon, Bessie	San Antonio, Texas
McKinney, Ed J.....	Cooper, Texas
Meyer, F. P.....	Mound City, Mo.
Minor, Harvey	San Angelo, Texas
Nance, Eli W.....	De Leon, Texas
Newman, Margaret	Garland, Texas
Newton, Charles H.....	Midlothian, Texas

Norton, Cora Maud.....	Fort Worth, Texas
Peele, Eunice	Fort Worth, Texas
Perry, Irene	Waco, Texas
Pope, John J., Jr.....	Fort Worth, Texas
Phillips, N. A.....	Quanah, Texas
Ratliff, Henry M.....	Montague, Texas
Riley, Josie	Grandview, Texas
Rogers, Clarence A.....	Rice, Texas
Ross, Jennie	Grandview, Texas
Sewell, John W.....	Mansfield, Texas
Shapard, Grunday	Anson, Texas
Smith, Ruby	Fort Worth, Texas
Speer, Florida	Fort Worth, Texas
Stevens, Foster J.....	Ladonia, Texas
Switzer, Pierce	Blanket, Texas
Tandy, Ben.....	Fort Worth, Texas
Thomas, Clyde R.....	Fort Worth, Texas
Thomas, Madelle	Fort Worth, Texas
Ulmer, Ernest	San Angelo, Texas
Vaughn W. B.....	Fort Worth, Texas
Vernon, Verdo	Itasca, Texas
Wallis, Annie May.....	Loraine, Texas
Wells, Ada.....	Benbrook, Texas
Wells, Miles	Benbrook, Texas
Wilson, Clara	Oran, Texas
Wilson, Ethel May.....	Granbury, Texas
Willis, Golda	Graham, Texas
White, Frank	Fort Worth, Texas
White, Hugh D.....	Fort Worth, Texas
White, Lucy	Abilene, Texas
White, Louis.....	Fort Worth, Texas
Wilson, Frank P.....	Midlothian, Texas
Wilkes, Edna	Kennedale, Texas
Wilson, J. Ray.....	Claude, Texas
Wilson, Kate	Midlothian, Texas
Winterowd, Ira L.	Ennis, Texas

SPECIALS.

Bell, John Allen	Tye, Texas
Breedlove, Rhapherd T.....	Huckabay, Texas
Clark, Bessie Martin	Huckabay, Texas
Cook, Minnie	Crystal Falls, Texas
Collier, Lillian	Italy, Texas
Crow, Hugh	De Leon, Texas
Dishman, Ara	Collinsville, Texas
Glass, Tom W.....	Midlothian, Texas
Heyser, Shields	Putnam, Texas
Heyser, Emma	Putnam, Texas
Jarrott, Bettie T.....	Fort Worth, Texas
Ledlow, W. F.....	Fort Worth, Texas
Patterson, Rellah	De Leon, Texas
Sewel, John H.....	Mansfield, Texas
Stanley, Alfred W.....	Midland, Texas
Wilson, Emma	Fort Worth, Texas

PREPARATORY SCHOOL

Adams, Lois Jaunita	Fort Worth, Texas
Alston, T. P.....	Decatur, Texas
Alvord, Mabel	Fort Worth, Texas
Anderson, Rufus	Hillsboro, Texas
Armstrong, Annie May	Fort Worth, Texas
Armstrong, Leslie	Burleson, Texas
Ashley, Valeria	Fort Worth, Texas
Autrey, Clara B.....	Rockwall, Texas
Bailey, William G.....	Fort Worth, Texas
Baird, Bythell C.....	Big Springs, Texas
Baker, Alonzo Lee.....	Fort Worth, R. No. 1, Texas
Baker, Lilla D.....	Fort Worth, R. No. 1, Texas
Bales, Miss S. E.....	Waxahachie, Texas
Barber, Harry C.....	Fort Worth, Texas
Barse, Dorthy	Fort Worth, Texas
Barse William Horace	Fort Worth, Texas

Bartlett, Jessie	Rice, Texas
Beckham, Munsey C.....	Denton, Texas
Bell, Claude F.....	Fort Worth, Texas
Bell, Lawrence Frazier	Preston, Texas
Bennett, Wade L.....	Greenville, Texas
Bevill, Sallie	Tullahoma, Tenn.
Birdsong, Hattie May.....	Fort Worth, Texas
Bloodworth, Lloyd	Fort Worth, Texas
Bloodworth, Joe.....	Fort Worth, Texas
Boaz, Martha	Benbrook, Texas
Boaz, Oba	Fort Worth, Texas
Boaz, Olive Ruth.....	Benbrook, Texas
Boaz, Ruth	Fort Worth, Texas
Boaz, Richard	Fort Worth, R. No. 3, Texas
Bowden, Marvin W.....	Blanket, Texas
Braswell, Stella	Fort Worth, Texas
Brewington, Lucia	Brandon, Texas
Brigham, Thomas W.....	Wylie, Texas
Brockett, Claude T.....	Covington, Texas
Brooks, Clyde H.....	Fort Worth, Texas
Brown, Robert E.....	Estacado, Texas
Brown, Lloyd E.....	Lone Oak, Texas
Brown, Lollie	Whitesboro, Texas
Browning, Grace	Fort Worth, Texas
Browning, Ruth	Fort Worth, Texas
Browning, Vessie E.....	Dublin, Texas
Bryant, Virgil V.....	Itasca, Texas
Buttrill, Osa Britt	Fort Worth, Texas
Buttrill, Arthur Page	Fort Worth, Texas
Byrum, Iva Lee.....	Amarillo, Texas
Callihan, Ray W.....	Claude, Texas
Camp, Clifford	Midland, Texas
Campbell, Ida Mae.....	Munday, Texas
Cantrell, Mary	Fort Worth, R. No. 3, Texas
Cash, Edna	Frankfort, Mo.
Childers, Jones L.....	Benbrook, Texas
Crisman, Ed R.....	Arlington, Texas
Christenberry, Agnes	Fort Worth, Texas
Clifton, Bessie	Fort Worth, Texas

Cole, James W.....	Zephyr, Texas
Conner, Truman H.....	Fort Worth, Texas
Cook, James Alvin	Fort Worth, Texas
Cook, Merle	Fort Worth, Texas
Cooper, James J.....	Roby, Texas
de Cordova, Curtis.....	Kopperl, Texas
Couchman, Floyd L.....	Milford, Texas
Cox, Emmet A.....	Loring, Texas
Craig, Eva B.....	Handley, Texas
Craft, Bess	Munday, Texas
Crawford, James, Jr.....	Purcell, Okla.
Cross, Cecil C.....	Fort Worth, Texas
Crowley, Andrew	Alvarado, Texas
Croxdale, Vernon E.....	Fort Worth, Texas
Culbertson, Warren	Sterrett, Texas
Cunningham, J. Marvin	Honey Grove, Texas
Cunningham, O. I.....	Honey Grove, Texas
Daniel, Charles W.....	Fort Worth, Texas
Dennis, Walter	Farmers' Branch, Texas
Dillow, Ina	Fort Worth, Texas
Dickenson, Annie M.....	Fort Worth, Texas
Dishman, Eula	Collinsville, Texas
Dow, Victor D.....	Oran, Texas
Downs, Ernest G	Mineral Wells, Texas
Duvall, Lola	Fort Worth, Texas
Edwards, Atticus F.....	Waxahachie, Texas
Edwards, Mary	Fort Worth, Texas
Fallin, Z. D.....	Weatherford, Texas
Faught, Cordelia	Argyle, Texas
Fields, Ross S.....	Burkburnett, Texas
Finley, Olive B.....	Celina, Texas
Flanary, Athan	Iredell, Texas
Fort, Clara G.....	Fort Worth, Texas
Fulton, Henry A.....	Fort Worth, Texas
Fulton, Lula E.....	Fort Worth, Texas
Gilbert, William J.....	Big Springs, Texas
Gilliland, Charles Irving	Fort Worth, Texas
Gollihar, Mamie	Whitney, Texas

Gooch, Marie	Central, Texas
Gooch, Paul	Central, Texas
Gregg, Ernest	Decatur, Texas
Green, Eva Ione	Fort Worth, Texas
Griffith, J. Clyde	Lone Wolf, Okla.
Grimes, Joel V. B.	Avoca, Texas
Guion, David W.	Ballinger, Texas
Hagler, Fay	Fort Worth, Texas
Hale, Jamie	Putnam, Texas
Hamilton, Bess	Whitney, Texas
Harbour, E. Dale	Iowa Park, Texas
Hargrave, Exa	Fort Worth, Texas
Harrell, Lita L.	Mt. Pleasant, Texas
Harris, H. Grady	Morgan, Texas
Hawes, Roy M.	Fort Worth, Texas
Harwell, Georgia G.	Fort Worth, Texas
Hawkins, James W.	Wellington, Texas
Hawkins, Lorenzo D.	Erick, Okla.
Hay, Sam R., Jr.	Fort Worth, Texas
Hemphill, Ruth	St. Jo, Texas
Henderson, Minnie E.	Kennedale, Texas
Hill, Hazel D.	Morgan, Texas
Hollis, Paul S.	Fort Worth, Texas
Holmes, Emma E.	Higgins, Texas
Hooper, John T.	Indian Creek, Texas
Hooper, Ora.	Indian Creek, Texas
Hooper, Robert B.	Fort Worth, Texas
Howard, Bertha May.	Spanish Fort, Texas
Howard, J. Edde	Spanish Fort, Texas
Howard, Minnie	Spanish Fort, Texas
Humphries, J. Eldridge	Edgewood, Texas
Humphries, Shelton C.	Edgewood, Texas
Hunter, Thomas F.	Clairemont, Texas
Hurst, Bessie	Clyde, Texas
Hurst, Ila	Burleson, Texas
Hutton, Nina	Fort Worth, Texas
Jenkins, M. Douglas	Penelope, Texas
Jennings, Laura	Merkel, Texas
Keller, Rose	Fort Worth, Texas

Kimbrough, Bessie	Malvern, Ark.
Kinsey, Prince	Fort Worth, Texas
Knickerbocker, Harry C.....	Fort Worth, Texas
Lancaster, Jesse Gray	Zephyr, Texas
Lancaster, Perry Edgar	Zephyr, Texas
Lemond, Jinks	Hale Center, Texas
Lewis, Dorothea	Fort Worth, Texas
Lillard, John	Morgan, Texas
Linch, Helen	Fort Worth, Texas
Lindsay, Barney A.....	Red Oak, Texas
Long, Charles S.....	Plainview, Texas
Luse, Venice	Fort Worth, Texas
Lusher, Mary Willie	Fort Worth, Texas
Major, Bess	Fort Worth, Texas
Major, David M.....	Fort Worth, Texas
Marlow, Frank W.....	Fort Worth, Texas
Martin, Harry N.....	Fort Worth, Texas
Martin, John W.....	Fort Worth, Texas
Martin, James	Pecos, Texas
Martin, John J.....	Fort Worth, Texas
Manning, Vivian	Bellevue, Texas
Mason, F. L.....	Fort Worth, Texas
Massie, James M.....	Fort Worth, Texas
Mason, Lonnie F.....	Fort Worth, Texas
McCarty, Lester D.....	Mansfield, Texas
McCoughey, Anna	Lindsay, Okla.
McCoughey, Emmett, Jr.	Lindsay, Okla.
McCoughey, Loraine	Lindsay, Okla.
McCollum, Ida Edith.....	Valley View, Texas
McCollum, V. Ed.....	Valley View, Texas
McCullouch, Ona	Blum, Texas
McLaren, Mary E.....	Guthrie, Texas
McClendon, Joe	Benbrook, Texas
McWhorter, Jack	Plainview, Texas
Merrifield, Ada	Burleson, Texas
Mitchell, Jessie	Fort Worth, Texas
Montgomery, R. Carl	Lubbock, Texas
Moore, Grover C.....	Hico, Texas
Morris, Ethel S.....	Fort Worth, Texas

Morris, Gertrude	Fort Worth, Texas
Morris, James L.....	Tye, Texas
Nelson, Henry Grady	Stamford, Texas
Norrell, Pink	Cottonwood, Texas
Odum, Milton D.....	Fort Worth, Texas
Oswalt, Albert M.....	Fort Worth, Texas
Parrott, Bonita	Thockmorton, Texas
Patten, Lewis S.....	Boyce, Texas
Patterson, J. Fred	Red Oak, Texas
Pattison, William W.....	Fort Worth, Texas
Pennington, Irene	Bartlett, Texas
Pick, Josie C.....	Fort Worth, Texas
Pittman, William Fletcher	Benbrook, Texas
Pope, Mary Lucy	Fort Worth, Texas
Porterfield, Herman L.....	Chillicothe, Texas
Pottinger, Laura	Amarillo, Texas
Pressley, Mary Cecil	Fort Worth, Texas
Puckett, B. Mabel	Fort Worth, Texas
Puckett, Charles Henry	Fort Worth, Texas
Putnam, Jo	Fort Worth, Texas
Quattlebaum, J. Olan, Jr.,.....	Chillicothe, Texas
Ratliff, James D.....	Montague, Texas
Read, Ethel	Fort Worth, Texas
Renshaw, John J.....	Decatur, Texas
Rice, Estill L.....	Gordon, Texas
Richardson, Maud.....	Fort Worth, Texas
Ritchie, Carrie Lou.....	Fort Worth, Texas
Ritchie, Robert Estes.....	Fort Worth, Texas
Robertson, Alfred Pool.....	Fort Worth, Texas
Robertson, Andrew Briggs.....	Fort Worth, Texas
Robbins, Willard B.....	Ferris, Texas
Robinson, Edward E.....	Kiowa, Okla.
Robinson, Josie E.....	Fort Worth, Texas
Rogers, Robert Allie	Rice, Texas
Roper, Zelma	Eastland, Texas
Ross, Charlie	Decatur, Texas
Scott, J. Herbert	Vernon, Texas
Shackelford, F Pierce.....	Putnam, Texas
Shackelford, Wilda	Putnam, Texas

Sharp, W. Dudley.....	Waxahachie, Texas
Shrader, Mary E.....	Cisco, Texas
Skeen, Arthur J.....	Handley, Texas
Skeen, Spencer D.....	Handley, Texas
Sloan, Walter C.....	Fort Worth, Texas
Smith, Bessie V.....	Fort Worth, Texas
Smith, Enrique R.....	Fort Worth, Texas
Smith, H. Campbell.....	Fort Worth, Texas
Smith, Fern	Fort Worth, Texas
Smith, Mattie Lee	Fort Worth, Texas
*Smith, Sam B.....	Carlsbad, N. M.
Smoot, Lon C.....	Hillsboro, Texas
Spear, Lula	Hamilton, Texas
Speer, Marvin	Fort Worth, Texas
Spraggins, Henry H.....	Baird, Texas
Stark, Addie.....	Fort Worth, Texas
Stark, Dennis C.....	Fort Worth, Texas
Stark, Rupert.....	Fort Worth, Texas
Swafford, Marvin.....	Ponder, Texas
Sweatman, Jennie E.....	Talbert, Texas
Taggart, Muriel L.....	Greenville, Texas
Tarpley, Sterling L.....	McKnight, Okla.
Taylor, Ed K.....	Claremont, Texas
Temple, Only.....	Glen Rose, Texas
Tomlin, Harry D., Jr.....	Nogales, Ariz.
Tucker, Russell.....	Strawn, Texas
Turner, Otis D.....	Fort Worth, Texas
Wakefield, James W.....	Fort Worth, Texas
Walker, Bert	Azle, Texas
Walker, Pearl.....	Fort Worth, Texas
Walker, Harold.....	Fort Worth, Texas
Wallace, Hugh D.....	Fort Worth, Texas
Ward, Walter W.....	Hillsboro, Texas
Wells, Tullis P.....	Benbrook, Texas
Wesendorf, Lucile.....	Fort Worth, Texas
Whitaker, Lollie B.....	Fort Worth, Texas
Whitaker, R. Newton.....	Fort Worth, Texas
White, Mina.....	Handley, Texas
White, Theron.....	Handley, Texas

Whitley, Rufus.....	Keller, Texas
Whitmore, Nancy Lee.....	Garza, Texas
Wilkes, Walter.....	Kennedale, Texas
Wilkes, Will.....	Kennedale, Texas
Williams, J. N.....	Putnam, Texas
Wilson, Lillita.....	Fort Worth, Texas
Wilson, Minnie May.....	Fort Worth, Texas
Wilson, Will.....	Oran, Texas
Winfrey, Charles D.....	Iowa Park, Texas
Worley, Ray E.....	Nogales, Ariz.
Wren, Myrtle.....	Newark, Texas
Wulfjen, Annie Dera.....	Colorado, Texas
Young, Marvin A.....	McCauley, Texas

*Deceased.

SCHOOL OF FINE ARTS

Adams, Annie	Commerce, Texas
Adams, Lois Jaunita.....	Fort Worth, Texas
Alvord, Mabel L.....	Fort Worth, Texas
Armstrong, Annie May.....	Fort Worth, Texas
Autrey, Clara B.....	Rockwall, Texas
Bellamy, Nettie.....	Fort Worth, Texas
Bales, S. E.....	Waxahachie, Texas
Bartlett, Jessie.....	Rice, Texas
Birdsong, Hattie May.....	Fort Worth, Texas
Bilbro, Oscar.....	Montague, Texas
Billingsley, Charlotte.....	Fort Worth, Texas
Bloodworth, Joe K.....	Fort Worth, Texas
Bloodworth, Lloyd P.....	Fort Worth, Texas
Boaz, Olive Ruth.....	Benbrook, Texas
Boaz, Ruth	Fort Worth, Texas
Bowman, Mary.....	Fort Worth, Texas
Boyd, William S.....	Gatesville, Texas
Braswell, Stella S.....	Fort Worth, Texas
Brewington, Lucia J.....	Brandon, Texas

Brittain, Lollie.....	Putnam, Texas
Brown, Buford.....	Fort Worth, Texas
Brown, Lollie.....	Whitesboro, Texas
Browning, Grace.....	Fort Worth, Texas
Browning, Ruth	Fort Worth, Texas
Calloway, Mary.....	Joshua, Texas
Campbell, Ida Mary.....	Munday, Texas
Campbell, Mrs. Don.....	Fort Worth, Texas
Cash, Edna	Frankfort, Mo.
Cate, Phelo.....	Grapevine, Texas
Clifton, Bess.....	Fort Worth, Texas
Clemer, Verda.....	Clyde, Texas
Collins, Vada Mae	Rice, Texas
Collier, Lillian.....	Italy, Texas
Cook, Merle.....	Fort Worth, Texas
Craft, Savannah.....	Munday, Texas
Craft, Bess.....	Munday, Texas
Daniel, Lois.....	Fort Worth, Texas
Dillow, Ina.....	Fort Worth, Texas
Dillon, Mary.....	Fort Worth, Texas
Dishman, Ara	Collinsville, Texas
Dishman, Eula.....	Collinsville, Texas
Doolen, Willella.....	Paducah, Texas
Dunn, Robert A.....	McGregor, Texas
Echols, Dot.....	Fort Worth, Texas
Edwards, Sam Jones.....	Fort Worth, Texas
Edwards, Marvin.....	Fort Worth, Texas
Edwards, Mary.....	Fort Worth, Texas
Faust, Mary Cosette.....	Baird, Texas
Finley, Olive B.....	Celina, Texas
Foster, Elsie	Fort Worth, Texas
Gollihar, Mamie	Whitney, Texas
Gilland, Alice.....	Fort Worth, Texas
Gilland, Irving.....	Fort Worth, Texas
Gooch, Marie.....	Central, Texas
Graham, Mavis	Alvarado, Texas
Griffith, J. Clyde.....	Lone Wolf, Okla.
Griffith, Iva.....	Maypearl, Texas
Guion, David W.....	Ballinger, Texas

Hamilton, Bessie.....	Whitney, Texas
Hamilton, Pearl.....	Terrell, Texas
Hargrave, Exa	Fort Worth, Texas
Harrell, Lita.....	Mt. Pleasant, Texas
Harris, H. Grady.....	Morgan, Texas
Hatchett, Pearl.....	Alvord, Texas
Hemphill, Ruth.....	St. Jo, Texas
Heyser, Emma Gene.....	Putnam, Texas
House, Allie	Mansfield Texas
Howard, Bertha.....	Spanish Fort, Texas
Howard, Minnie.....	Spanish Fort, Texas
Humphries, J. Eldridge.....	Edgewood, Texas
Humphries, Shelton C.....	Edgewood, Texas
Hurst, Bessie.....	Clyde, Texas
Hurst, Ila B.....	Burleson, Texas
Hutton, Nina.....	Fort Worth, Texas
James, Laura Ellen.....	Fort Worth, Texas
Jarrott, Bettie T.....	Fort Worth, Texas
Jennings, Laura.....	Merkel, Texas
Johnson, Minnie.....	Fairfield, Texas
Klapproth, Anna May.....	Midland, Texas
Lane, Lou Myrtle.....	Cisco, Texas
Lewis, Edna J.....	Fort Worth, Texas
Lowe, Mrs. W. H.....	Fort Worth, Texas
Lysaght, Francis.....	Fort Worth, Texas
Manning, Vivian.....	Bellevue, Texas
Manning, Mattie J.....	Fort Worth, Texas
Martin, Hallie.....	Fort Worth, Texas
Martin, Laura.....	Graham, Texas
Matthews, Sallie Bell.....	Fort Worth, Texas
McAlister, May.....	Channing, Texas
McCaughey, Anna.....	Lindsay, Okla.
McCaughey, Loraine.....	Lindsay, Okla.
McClanhan, Elise	Arlington, Texas
McCullough, Ona.....	Blum, Texas
McLaren, Mary E.....	Guthrie, Texas
Merrifield, Ada.....	Burleson, Texas
Mitchell, Jessie.....	Fort Worth, Texas
Montgomery, Ruth.....	Fort Worth, Texas

Morse, Clara	Fort Worth, Texas
Morris, Ethel.....	Fort Worth, Texas
Morris, Gertrude.....	Fort Worth, Texas
Newman, Margaret.....	Garland, Texas
Norton, Cora Maud.....	Fort Worth, Texas
Owen, Pearl E.....	Fort Worth, Texas
Parrott, Bonita.....	Thockmorton, Texas
Pennington, Irene.....	Bartlett, Texas
Perry, Irene.....	Waco, Texas
Pope, Mary Lucy.....	Fort Worth, Texas
Pottinger, Laura.....	Amarillo, Texas
Pressley, Cecil.....	Fort Worth, Texas
Price, Harry.....	Fort Worth, Texas
Richardson, Maud.....	Fort Worth, Texas
Robinson, Jo.....	Fort Worth, Texas
Ross, Jennie.....	Grandview, Texas
Rowland, Mrs. W. T.....	Fort Worth, Texas
Sanguinet, Imogene	Fort Worth, Texas
Self, Alice May.....	Brownwood, Texas
Shackelford, F. Pierce.....	Putnam, Texas
Shackelford, Wilda.....	Putnam, Texas
Shrader, Mary.....	Putnam, Texas
Smith, Mattie Lee.....	Fort Worth, Texas
Speer, Floride.....	Fort Worth, Texas
Spear, Lula.....	Hamilton, Texas
Stephens, Alice.....	Fort Worth, Texas
Stephens, Jessie.....	Fort Worth, Texas
Stevenson, Birdie.....	Caddo Mills, Texas
Stickney, Ruth.....	Fort Worth, Texas
Stewart, Minna.....	Matagorda, Texas
Taylor, Mrs. C. J.....	Fort Worth, Texas
Thacker, Essie.....	Crowell, Texas
Walker, Pearl.....	Fort Worth, Texas
Walker, Mrs. Dora.....	Fort Worth, Texas
Whitmore, Nancy Lee.....	Garza, Texas
Wilkes, Edna.....	Kennedale, Texas
Wilson, Emma.....	Fort Worth, Texas
Wilson, Lilita.....	Fort Worth, Texas
Wilson, Minnie May.....	Fort Worth, Texas

Winfield, Mrs. H.....	Fort Worth, Texas
Winter, Arthur Lee.....	Fort Worth, Texas
Wren, Myrtle.....	Newark, Texas
Wulfjen, Dera.....	Colorado, Texas
Yantis, Vivian.....	Athens, Texas

SUMMER SCHOOL

Alexander, G. W.....	Venus, Texas
Allen, Edna G.....	Fort Worth, Texas
Alphin, May.....	Kennedale, Texas
Andrews, Oscar.....	Kennedale, Texas
Armstrong, A. J.....	Fort Worth, Texas
Ashbrook, Catherine.....	Newark, Texas
Ashburn, I. S.....	Fort Worth, Texas
Autrey, Mrs Addie B.....	Fort Worth, Texas
Awalt, Gene.....	North Fort Worth, Texas
Balch, Lennis.....	Mansfield, Texas
Balloch, Grace F.....	Fort Worth, Texas
Bardin, Nora.....	Mansfield, Texas
Behrens, Minnie.....	Bransford, Texas
Bibb, Annie	Fort Worth, Texas
Bird, Stella.....	San Angelo, Texas
Blackburn, Ria.....	Elderville, Texas
Blaine, Jessie.....	Celina, Texas
Bond, Alma.....	Crowell, Texas
Bone, Huldale.....	Cresson, Texas
Boone, Lucy.....	Fort Worth, Texas
Bostic, Merrie.....	Fort Worth, Texas
Boyd, Lucy	Terrell, Texas
Boykin, Kate.....	Fort Worth, Texas
Brackeen, Eva.....	Gordon, Texas
Britton, Harrett L.....	Fort Worth, Texas
Browne, Mrs. Ida B.....	Troy, Texas
Brown, Benj. F.....	Arlington, Texas
Brown, Fred.....	Fort Worth, Texas

Brown, P.....	Lubbock, Texas
Broyles, Maggie.....	Memphis, Texas
Brumbaugh, Florence.....	North Fort Worth, Texas
Bryant, M G.....	Azle, Texas
Brymer, Ethel.....	Arlington, Texas
Byrnes, Nellie.....	Fort Worth, Texas
Camron, Bertha	Fort Worth, Texas
Cantrell, Mary E.....	Saginaw, Texas
Cates, Irma May.....	Fort Worth, Texas
Carnes, Nellie.....	Thorpe Springs, Texas
Carr, Etta.....	Amsterdam, Mo.
Chadwick, Ethel.....	Cresson, Texas
Clark, Bessie May.....	Mansfield, Texas
Clifford, Gertrude.....	Fort Worth, Texas
Collard, Claude.....	Kennedale, Texas
Collins, Laura.....	Fort Worth, Texas
Collins, Theo.....	Fort Worth, Texas
Connally, Mrs. S. E.....	Sulphur Springs, Texas
Cooper, T. B.....	Fort Worth, Texas
Copeland, Madia.....	Grandview, Texas
Corbett, G. M.....	Bedford, Texas
Cox, Nallie.....	Energy, Texas
Crowder, Bernice.....	Fort Worth, Texas
Curnutte, Claudia.....	Clarendon, Texas
Curtis, Ella.....	Fort Worth, Texas
Darwin, Nora E.....	Fort Worth, Texas
Dignowity, Esther J.....	Denison, Texas
Ditto, Tera.....	Arlington, Texas
Dort, Fay.....	St. Jo, Texas
Dort, May.....	St. Jo, Texas
Downing, Ruth	Wichita Falls, Texas
Duvall, Lola.....	Fort Worth, Texas
Earnest, Irene.....	Fort Worth, Texas
Easton, Lola.....	North Fort Worth, Texas
Eckles, Allie.....	Fort Worth, Texas
Elkins, Mattie.....	Memphis, Texas
Eppler, Lizzie.....	Amarillo, Texas
Estill, Mrs. Mattie.....	Granbury, Texas.
Faust, Cosette.....	Baird, Texas

Ferguson, Ola.....	Kennedale, Texas
Field, Josie.....	Fort Worth, Texas
Forbes, Fannie A.....	Fort Worth, Texas
Farley, Louise.....	Fort Worth, Texas
Ford, Ida C. (Mrs.).....	Amarillo, Texas
Fulton, Lula.....	Fort Worth, Texas
Gaines, Maria.....	Palo Pinto, Texas
Gantt, Emma.....	Fort Worth, Texas
Garrett, Ellie.....	Fort Worth, Texas
Gilliam, Nolfie.....	Fort Worth, Texas
Glover, Mamie.....	Arlington, Texas
Goldring, W. E.....	Arlington, Texas
Goldthwaite, Mary.....	Marnego, Iowa
Goolsby, Laura E.....	Terrell, Texas
Gordon, Archey W.....	Burleson, Texas
Gordon, I. L.....	Burleson, Texas
Grant, Myrtle.....	Fort Worth, Texas
Green, Eva.....	Walnut Springs, Texas
Greenwood, Ethel.....	Bluff Dale, Texas
Griffin, A. Dina.....	Venus, Texas
Griffin, Lelia R.....	Fort Worth, Texas
Griggs, Bessie I.....	Fort Worth, Texas
Grigsby, Ina.....	Azle, Texas
Gibson, Mamie R.....	Fort Worth, Texas
Gulledge, O. Z.....	Smithfield, Texas
Haggard, Ruth.....	Frisco, Texas
Hammann, Ruby F.....	Fort Worth, Texas
Hammond, Ruby F.....	Fort Worth, Texas
Hardin, Margaret J.....	Terrell, Texas
Hargrave, Exa.....	Fort Worth, Texas
Harding, Amy.....	Clarendon, Texas
Harrison, Fannie.....	Grandview, Texas
Harrison, Julia.....	Paradise Texas
Harrison, Pearl.....	Newark, Texas
Harrison, Ploy H.....	Newark, Texas
Hartman, Bettie.....	Kennedale, Texas
Harvey, Clara W.....	Fort Worth, Texas
Harvey, Nelle.....	Fort Worth, Texas
Hawkins, Amanda.....	Fort Worth, Texas

Haynes, Belle	Mineral Wells, Texas
Haynes, Emma.....	Wichita Falls, Texas
Higdon, Marguie.....	Dallas, Texas
Heindel, Ethel.....	Henrietta, Texas
Henderson, Francis.....	Fort Worth, Texas
Henderson, Jennie L.....	Fort Worth, Texas
Higdon, Katherine P.....	Dallas, Texas
Higginbotham, Don	Fort Worth, Texas
Hightower, L. P.....	Granbury, Texas
Hines, Agnes.....	Fort Worth, Texas
Hinkson, Alice.....	Fort Worth, Texas
Holman, May.....	Gainesville, Texas
Hood, Ethel.....	Hood, Texas
Hopkins, Freda.....	North Fort Worth, Texas
Hott, Gladys.....	St. Jo, Texas
Hovenkamp, Belle.....	Fort Worth, Texas
Hovey, Stella W.....	Fort Worth, Texas
Howell, Anna.....	Fort Worth, Texas
Huddleston, R. R.....	Goree, Texas
Hudson, Edna E.....	Fort Worth, Texas
Hudson, Mollye.....	Lallerina, Texas
Hughes, M. Roxie.....	Fort Worth, Texas
Ivey, Lizzie L.....	Fort Worth, Texas
James, Bessie.....	Azle, Texas
Kelley, Emma.....	Center Mill, Texas
Killian, O. L.....	Comanche, Texas
Kimbrough, Roberta.....	Azle, Texas
Kirn, Daisy.....	Fort Worth, Texas
Kuykendall, Ima.....	Fort Worth, Texas
Labatt, Caro Lee.....	Fort Worth, Texas
Lake, Mattie.....	Mineral Wells, Texas
Lloyd, Jennie.....	Fort Worth, Texas
Lambert, Ophella.....	Fort Worth, Texas
Lambkin, J. A.....	Fort Worth, Texas
Lambkin, Jessie.....	Fort Worth, Texas
Luce, Venice.....	Fort Worth, Texas
Lynch, Blanche.....	Fort Worth, Texas
Major, Gertrude.....	Fort Worth, Texas
Maloney, Katherine.....	Fort Worth, Texas

Marney, Bertha.....	Mansfield, Texas
Martin, H. Ivan.....	Hico, Texas
Melton, Mabel.....	Arlington, Texas
Mickle, Mrs.....	Fort Worth, Texas
Mills, Clara.....	Fort Worth, Texas
Moore, Margeret.....	Arlington, Texas
McAdams, Lila.....	Fort Worth, Texas
McCarver, Vernon.....	Pecos City, Texas
McCracken, Ollie.....	Decatur, Texas
McDermett, Cora.....	Fort Worth, Texas
McDonald, Annabel.....	Dublin, Texas
McElray, Margaret H.....	Fort Worth, Texas
McGee, David.....	Fort Worth, Texas
McGowen, Ethel.....	Grandview, Texas
McKenney, Mary.....	Crowley, Texas
McLendon, Anna.....	Benbrook, Texas
McMiller, Nina.....	Fort Worth, Texas
McWhirter, Geneva.....	O'Brien, Texas
Neumegen, Addie.....	Fort Worth, Texas
Offutt, Irene D.....	Fort Worth, Texas
Osborne, Ethel.....	Fort Worth, Texas
Pope, Raumont R.....	Henrietta, Texas
Parrish, Mae W.....	Fort Worth, Texas
Patterson, Susie R.....	Clarendon, Texas
Peacock, Ella L.....	Fort Worth, Texas
Perkins, Bema L.....	Fort Worth, Texas
Phillips, Elma.....	Fort Worth, Texas
Phillips, Lenna.....	Wichita Falls, Texas
Phillips, W. G.....	Grapevine, Texas
Pich, Josie L.....	Fort Worth, Texas
Price, Irene.....	Keller, Texas
Quarles, Fannie.....	Fort Worth, Texas
Quillian, Fannie A.....	Lapwai, Idaho
Reedy, Annye.....	Davis, Okla.
Rhodes, Mary L. (Mrs.).....	Handley, Texas
Rice, Estill.....	Gordon, Texas
Roberson, Olyve.....	St. Jo, Texas
Roebuck, Mary.....	Italy, Texas
Rosse, Annie L.....	Aledo, Texas

Salter, Bird.....	Lampasas, Texas
Sarles, Della.....	Fort Worth, Texas
Sawyers, Alice.....	Fort Worth, Texas
Sawyers, Maude M.....	Fort Worth, Texas
Sawyers, Willette.....	Fort Worth, Texas
Scott, Anna Mae.....	Big Springs, Texas
Sellers, Louisa.....	Fort Worth, Texas
Shirley, Etta.....	Fort Worth, Texas
Shull, Mamie.....	Tyler, Texas
Sibley, Myrtle.....	Arlington, Texas
Sims, Kate.....	Gordon, Texas
Smith, Mrs. Claud C.....	Memphis, Texas
Smith, Elizabeth.....	Fort Worth, Texas
Smith, Ella.....	Fort Worth, Texas
Smith, Bessie.....	Azle, Texas
Smith, Mary Bell.....	Fort Worth, Texas
Smith, Mellissa E.....	Fort Worth, Texas
Snearly, Grace.....	Henrietta, Texas
Spencer, Florence M.....	Fort Worth, Texas
Spears, Nola.....	Venus, Texas
Stafford, Willie I.....	Lufkin, Texas
Stark, Josephine.....	Alvarado, Texas
Stark, Sidney.....	Fort Worth, Texas
Stark, Addie.....	Fort Worth, Texas
Stevens, Attie.....	Fort Worth, Texas
Stevens, Fannie.....	Fort Worth, Texas
Steward, Maudie.....	North Fort Worth, Texas
Stewart, Agnes.....	Fort Worth, Texas
Stout, Hazel.....	Fort Worth, Texas
Sweeney, Nora May.....	Fort Worth, Texas
Rea, Mollie.....	North Fort Worth, Texas
Read, Clara.....	Fort Worth, Texas
Roberts, Catherine.....	Crowley, Texas
Roberts, Mary C.....	Fort Worth, Texas
Rogers, Gertha.....	Arlington, Texas
Tankersley, Exa F.....	Crowley, Texas
Taylor, Marion E.....	Fort Worth, Texas
Taylor, Mayme.....	Justin, Texas
Taylor, Otta.....	Azle, Texas

Temple, Only.....	Dallas, Texas
Terry, Bettie.....	Clarksville, Texas
Thompson, May.....	North Fort Worth, Texas
Thornton, Margarite	Arlington, Texas
Tidwell, Ed.....	Ferris, Texas
Tolley, Rosa.....	Fayetteville, Tenn.
Touchstone, Ruth.....	Fort Worth, Texas
Trammell, Mabel.....	Fort Worth, Texas
Trussell, Brandon.....	Decatur, Texas
Waddell, Kate.....	Mineral Wells, Texas
Waddill, Mrs. Florence.....	Tioga, Texas
Wills, Gladys.....	Big Springs, Texas
Wallis, J. B.....	Junction, Texas
Ward, Ruth.....	Fort Worth, Texas
Ward, Irwin.....	Cleburne, Texas
Warren, Gertrude.....	St. Jo, Texas
Watkins, Lizzie Lee.....	Snyder, Texas
Watson, J. W.....	O'Brien, Texas
Weaver, Ivy M.....	Fort Worth, Texas
Weeman, Mary E.....	Fort Worth, Texas
Welch, Mamie.....	Fort Worth, Texas
Weltman, Flora.....	Fort Worth, Texas
Wessendorf, Ada.....	Fort Worth, Texas
Wessendorf, Lila Belle.....	Fort Worth, Texas
Whitehurst, Corine.....	Sandia, Texas
Whitley, Leila L.....	Fort Worth, Texas
Wilkinson, Etna.....	Proffit, Texas
Williams, Bertha.....	Kennedale, Texas
Winstead, Ed.....	Azle, Texas
Wood, Vera R.....	Fort Worth, Texas
Wright, Jennie.....	Garza, Texas
Wright, Minna G.....	Fort Worth, Texas
Zeruer, Ama.....	Fort Worth, Texas

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	<hr/>
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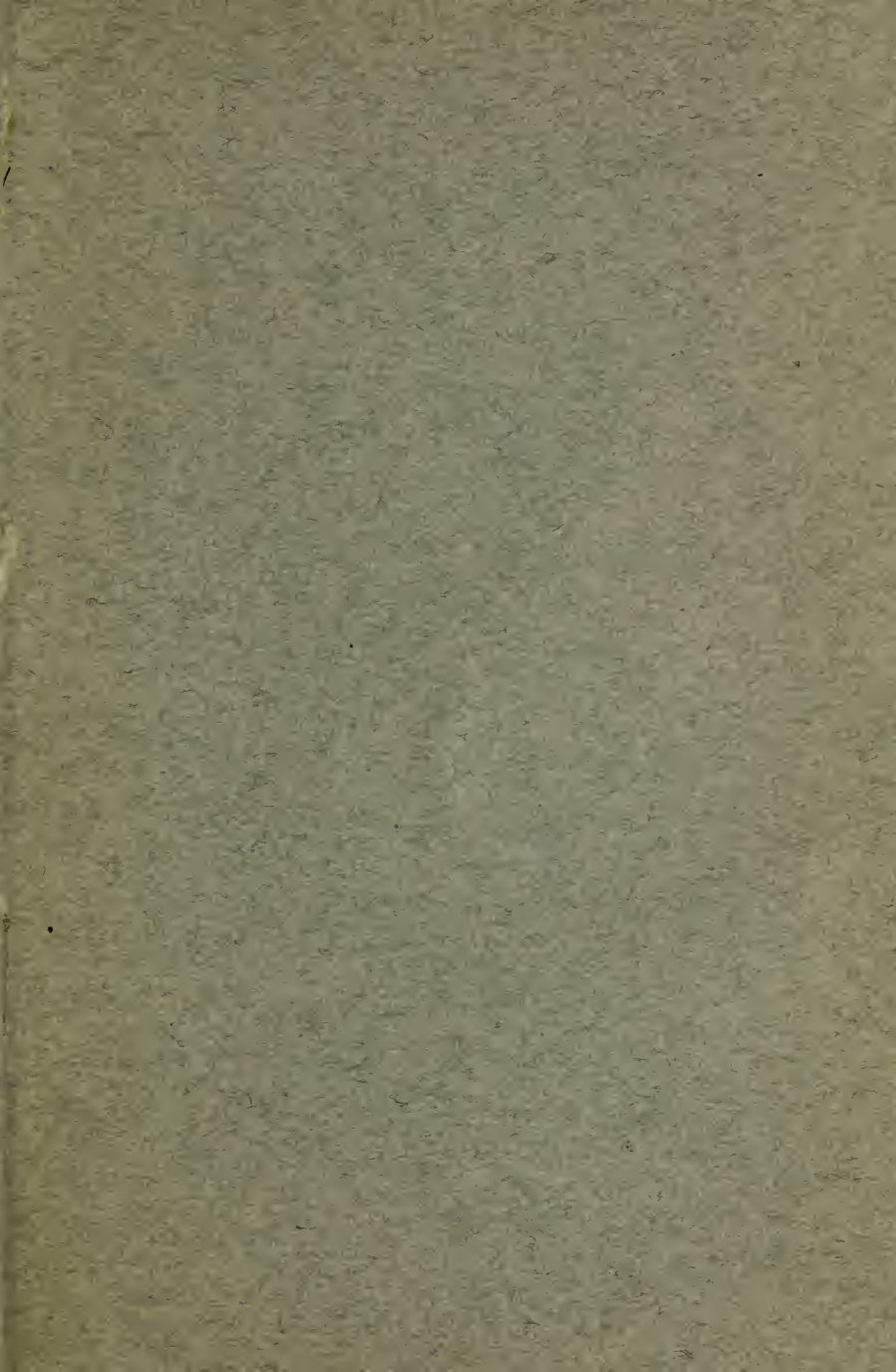
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